

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: April 6, 2005, 13:21:33 ; Search time 120.5 Seconds
(without alignments)
692.532 Million cell updates/sec

Title: US-09-402-713a-7
Perfect score: 51
Sequence: 1 MFPHSSPPKYPHTQAKQE.....HLGSSMSLALCLVPLVREGH 51

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Xgapop 60.0 , Xgapext 60.0
Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2399978

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Command line parameters:

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-DB=Issued Patents NA -QFMT=fastap -SUFFIX=oligo.rni -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=Bits -START=1 -END=-1 -MATRIX=oligo -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1 -ALIGN=15 -MODE=LOCAL
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-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA.*
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2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	51	100.0	812	3	US-09-439-313-471
C 2	51	100.0	812	3	US-09-352-616A-471
C 3	51	100.0	812	4	US-09-636-215-471
C 4	51	100.0	812	4	US-09-685-166A-471
C 5	51	100.0	812	4	US-09-679-426-471
C 6	51	100.0	812	4	US-09-759-143-471
C 7	51	100.0	812	4	US-09-651-236-471
C 8	51	100.0	2229	3	US-09-313-469
C 9	51	100.0	2229	3	US-09-352-616A-469
C 10	51	100.0	2229	4	US-09-636-215-469
C 11	51	100.0	2229	4	US-09-685-166A-469
C 12	51	100.0	2229	4	US-09-679-426-469

C 13	51	100.0	2229	4	US-09-759-143-469	Sequence 469, App
C 14	51	100.0	2229	4	US-09-651-236-469	Sequence 469, App
C 15	51	100.0	2426	3	US-09-439-313-470	Sequence 470, App
C 16	51	100.0	2426	3	US-09-352-616A-470	Sequence 470, App
C 17	51	100.0	2426	4	US-09-636-215-470	Sequence 470, App
C 18	51	100.0	2426	4	US-09-685-166A-470	Sequence 470, App
C 19	51	100.0	2426	4	US-09-679-426-470	Sequence 470, App
C 20	51	100.0	2426	4	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	4	US-09-651-236-470	Sequence 470, App
C 22	51	100.0	3112	3	US-09-439-313-468	Sequence 468, App
C 23	51	100.0	3112	3	US-09-352-616A-468	Sequence 468, App
C 24	51	100.0	3112	4	US-09-636-215-468	Sequence 468, App
C 25	51	100.0	3112	4	US-09-685-166A-468	Sequence 468, App
C 26	51	100.0	3112	4	US-09-679-426-468	Sequence 468, App
C 27	51	100.0	3112	4	US-09-759-143-468	Sequence 468, App
C 28	51	100.0	3112	4	US-09-651-236-468	Sequence 468, App
C 29	51	100.0	3923	4	US-09-636-215-690	Sequence 690, App
C 30	51	100.0	3923	4	US-09-685-166A-690	Sequence 690, App
C 31	51	100.0	3923	4	US-09-679-426-690	Sequence 690, App
C 32	51	100.0	3923	4	US-09-759-143-690	Sequence 690, App
C 33	51	100.0	3923	4	US-09-651-236-690	Sequence 690, App
C 34	43	84.3	718	3	US-09-439-313-313	Sequence 313, App
C 35	43	84.3	718	3	US-09-352-616A-313	Sequence 313, App
C 36	43	84.3	718	4	US-09-636-215-313	Sequence 313, App
C 37	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 38	43	84.3	718	4	US-09-688-489-313	Sequence 313, App
C 39	43	84.3	718	4	US-09-679-426-313	Sequence 313, App
C 40	43	84.3	718	4	US-09-759-143-313	Sequence 313, App
C 41	43	84.3	718	4	US-09-651-236-313	Sequence 313, App
C 42	43	84.3	718	4	US-09-621-976-15110	Sequence 15110, A
C 43	29	56.9	481	4	US-09-513-999C-10843	Sequence 10843, A
C 44	24	47.1	437	4	US-09-513-999C-32036	Sequence 32036, A
C 45	8	15.7	473	4	US-09-513-999C-32036	Sequence 32036, A

ALIGNMENTS

RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 21021.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471/
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471

Alignment Scores:
Pred. No.: 5.71e-45
Score: 51.00
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
DB: 3
Length: 812
Matches: 51
Conservative: 0
Mismatch: 0
Indels: 0
Gaps: 0

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US-09-402-713A-7 (1-51) x US-09-439-313-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyTProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGGAAGGACAT 452
RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-352-616A-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyTProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGGAAGGACAT 452
RESULT 3
US-09-636-215-471/c
; Sequence 471, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
US-09-636-215-471/c
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-636-215-471 (1-812)
QY 1 MetPheLeuHisIleSerSerProPheLysTyTProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGGAAGGACAT 452
RESULT 4
US-09-685-166A-471/c
; Sequence 471, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-471

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Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-685-166A-471 (1-812)

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Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-471 (1-812)

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QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

RESULT 6
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-759-143-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545

QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTGCCGCTTGTGAGGAGGACAT 452

RESULT 7
US-09-651-236-471/c
; Sequence 471, Application US/09651236
; Patent No. 6818751

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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-651-236-471 (1-812)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACAGAGGAGCACAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 452

RESULT 8
US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

; GENERAL INFORMATION:
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-439-313-469 (1-2229)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACAGAGGAGCACAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGTCTCCGCTTGTGAGGAGGACAT 1507

RESULT 9
US-09-352-616A-469/c
; Sequence 469, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

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Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-352-616A-469 (1-2229)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
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QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51

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Db      1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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RESULT 10
US-09-636-215-469/c
; Sequence 469, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-469
Alignment Scores:
Pred. No.: 1-51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-636-215-469 (1-2229)
Qy      1 MetPheLeuHisIleSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
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Db      1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1600
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Qy      21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTCTGATGAGCCTCGCC 1540
|||||
Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
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Db      1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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RESULT 11
US-09-685-166A-469/c
; Sequence 469, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
US-09-685-166A-469
Alignment Scores:
Pred. No.: 1-51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-636-215-469 (1-2229)
Qy      1 MetPheLeuHisIleSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db      1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1600
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Qy      21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTCTGATGAGCCTCGCC 1540
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Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db      1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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RESULT 12
US-09-679-426-469/c
; Sequence 469, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
US-09-679-426-469
Alignment Scores:
Pred. No.: 1-51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-09-402-713A-7 (1-51) x US-09-685-166A-469 (1-2229)
Qy      1 MetPheLeuHisIleSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db      1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1600
|||||
Qy      21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTCTGATGAGCCTCGCC 1540
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Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
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Db      1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507
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; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-469
Alignment Scores:
Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-679-426-469 (1-2229)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 14
US-09-651-236-469/c
; Sequence 469, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-469
Alignment Scores:
Pred. No.: 1.51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-651-236-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 15
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

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Alignment Scores:
Pred. No.: 1.64e-44 Length: 2426
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

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US-09-402-713A-7 (1-51) x US-09-439-313-470 (1-2426)

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QY      1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
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QY      21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB      1593 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCATCTTGGGTCAATCGATGAGCCTCGCC 1534

QY      41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB      1533 CTGTGCTGTGCTCCGCTTGTGAGGGAAGGACAT 1501

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Job time : 123.5 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

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(without alignments)
757.500 Million cell updates/sec

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Perfect score: 51

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Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 5615251 seqs, 3030001701 residues

Word size: 1

Total number of hits satisfying chosen parameters: 11220029

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

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22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
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C 2	51	100.0	812	9	US-09-780-669-471	Sequence 471, App
C 3	51	100.0	812	9	US-09-822-827-471	Sequence 471, App
C 4	51	100.0	812	9	US-09-895-793-471	Sequence 471, App
C 5	51	100.0	812	9	US-09-895-814-471	Sequence 471, App
C 6	51	100.0	812	13	US-10-012-896-471	Sequence 471, App
C 7	51	100.0	812	14	US-10-010-940-471	Sequence 471, App
C 8	51	100.0	812	16	US-10-144-678A-471	Sequence 471, App
C 9	51	100.0	812	16	US-10-294-025-471	Sequence 471, App
C 10	51	100.0	876	10	US-09-957-708-3	Sequence 3, Appli
C 11	51	100.0	2229	9	US-09-759-143-469	Sequence 469, App
C 12	51	100.0	2229	9	US-09-780-669-469	Sequence 469, App
C 13	51	100.0	2229	9	US-09-822-827-469	Sequence 469, App
C 14	51	100.0	2229	9	US-09-895-793-469	Sequence 469, App
C 15	51	100.0	2229	9	US-09-895-814-469	Sequence 469, App
C 16	51	100.0	2229	13	US-10-012-896-469	Sequence 469, App
C 17	51	100.0	2229	14	US-10-010-940-469	Sequence 469, App
C 18	51	100.0	2229	16	US-10-144-678A-469	Sequence 469, App
C 19	51	100.0	2229	16	US-10-294-025-469	Sequence 469, App
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C 23	51	100.0	2426	9	US-09-895-793-470	Sequence 470, App
C 24	51	100.0	2426	9	US-09-895-814-470	Sequence 470, App
C 25	51	100.0	2426	13	US-10-012-896-470	Sequence 470, App
C 26	51	100.0	2426	14	US-10-010-940-470	Sequence 470, App
C 27	51	100.0	2426	15	US-10-205-823-448	Sequence 448, App
C 28	51	100.0	2426	16	US-10-144-678A-470	Sequence 470, App
C 29	51	100.0	2426	16	US-10-294-025-470	Sequence 470, App
C 30	51	100.0	3112	9	US-09-759-143-468	Sequence 468, App
C 31	51	100.0	3112	9	US-09-780-669-468	Sequence 468, App
C 32	51	100.0	3112	9	US-09-822-827-468	Sequence 468, App
C 33	51	100.0	3112	9	US-09-895-793-468	Sequence 468, App
C 34	51	100.0	3112	9	US-09-895-814-468	Sequence 468, App
C 35	51	100.0	3112	13	US-10-012-896-468	Sequence 468, App
C 36	51	100.0	3112	14	US-10-010-940-468	Sequence 468, App
C 37	51	100.0	3112	16	US-10-144-678A-468	Sequence 468, App
C 38	51	100.0	3112	16	US-10-294-025-468	Sequence 468, App
C 39	51	100.0	3923	9	US-09-759-143-690	Sequence 690, App
C 40	51	100.0	3923	9	US-09-780-669-690	Sequence 690, App
C 41	51	100.0	3923	9	US-09-822-827-690	Sequence 690, App
C 42	51	100.0	3923	9	US-09-895-793-690	Sequence 690, App
C 43	51	100.0	3923	9	US-09-895-814-690	Sequence 690, App
C 44	51	100.0	3923	13	US-10-012-896-690	Sequence 690, App
C 45	51	100.0	3923	15	US-10-205-823-316	Sequence 316, App

ALIGNMENTS

RESULT 1
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. US2002022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

```

; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

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QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
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QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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RESULT 2
US-09-780-669-471/c
; Sequence 471, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens

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US-09-780-669-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-780-669-471 (1-812)

QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 3
US-09-822-827-471/c
; Sequence 471, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-822-827-471 (1-812)

QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAGCAAAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCGCTTGTGAGGGAAGGACAT 452

RESULT 4
US-09-895-793-471/c
; Sequence 471, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.

```

; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqiu
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William T.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals de Bassols, Carlota
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Fanger, Gary R.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.534C2
 ; CURRENT APPLICATION NUMBER: US/09/895,793
 ; CURRENT FILING DATE: 2001-06-29
 ; NUMBER OF SEQ ID NOS: 982
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-895-793-471

Alignment Scores:
 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: Gaps: 0

US-09-402-713a-7 (1-51) x US-09-895-793-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 Db 604 ATGTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTGATGATGAGCCTCGCC 485
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGAGACAT 452

RESULT 5
 US-09-895-814-471/c
 ; Sequence 471, Application US/09895814
 ; Publication No. US20020193296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqiu
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals de Bassols, Carlota
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Fanger, Gary R.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C26
 ; CURRENT APPLICATION NUMBER: US/09/895,814
 ; CURRENT FILING DATE: 2001-06-29
 ; NUMBER OF SEQ ID NOS: 990
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-895-814-471

Alignment Scores:
 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: Gaps: 0

US-09-402-713a-7 (1-51) x US-09-895-814-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 Db 604 ATGTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACAAAGGAA 545
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTGATGATGAGCCTCGCC 485
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGAGACAT 452

RESULT 6
 US-10-012-896-471/c
 ; Sequence 471, Application US/10012896
 ; Publication No. US20020183251A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqiu
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William T.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals de Bassols, Carlota
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Wantanabe, Yoshihiro
 ; APPLICANT: Meagher, Madeleine Joy
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

DB 484 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 452
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 RESULT 9
 US-10-294-025-471/c
 ; Sequence 471, Application US/10294025
 ; Publication No. US20030185830A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Kalos, Michael D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C29
 ; CURRENT APPLICATION NUMBER: US/10/294, 025
 ; CURRENT FILING DATE: 2002-11-12
 ; NUMBER OF SEQ ID NOS: 1038
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-294-025-471
 Alignment Scores:
 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 16 Gaps: 0
 US-09-402-713A-7 (1-51) x US-10-294-025-471 (1-812)
 QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 DB 604 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 545
 |||||
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerMetSerLeuAla 40
 |||||
 DB 544 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCGATGAGCCTCGCC 485
 |||||
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 |||||
 DB 484 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 452
 |||||
 RESULT 10
 US-09-957-708-3
 ; Sequence 3, Application US/09957708
 ; Publication No. US20030031678A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Sun, Yongming
 ; APPLICANT: Recipon, Herve
 ; APPLICANT: Caferkey, Robert
 ; APPLICANT: Ali, Shujath
 ; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
 ; TITLE OF INVENTION: Genes
 ; FILE REFERENCE: DEX-0239
 ; CURRENT APPLICATION NUMBER: US/09/957, 708
 ; CURRENT FILING DATE: 2001-09-19
 ; PRIOR APPLICATION NUMBER: 60/233,746
 ; PRIOR FILING DATE: 2000-09-19
 ; NUMBER OF SEQ ID NOS: 40
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3
 ; LENGTH: 876
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-957-708-3
 Alignment Scores:
 Pred. No.: 4.9e-43 Length: 876
 Score: 51.00 Matches: 51

Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 10 Gaps: 0
 US-09-402-713A-7 (1-51) x US-09-957-708-3 (1-876)
 QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 DB 243 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 302
 |||||
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerMetSerLeuAla 40
 |||||
 DB 303 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCGATGAGCCTCGCC 362
 |||||
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 |||||
 DB 363 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 395
 |||||
 RESULT 11
 US-09-759-143-469/c
 ; Sequence 469, Application US/09759143
 ; Patent No. US20020022248A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C23
 ; CURRENT APPLICATION NUMBER: US/09/759,143
 ; CURRENT FILING DATE: 2001-01-12
 ; NUMBER OF SEQ ID NOS: 934
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 469
 ; LENGTH: 2229
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-759-143-469
 Alignment Scores:
 Pred. No.: 1.07e-42 Length: 2229
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0
 US-09-402-713A-7 (1-51) x US-09-759-143-469 (1-2229)
 QY 1 MetPheLeuHisSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 DB 1659 ATGTTTTTGACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
 |||||
 QY 21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerMetSerLeuAla 40
 |||||
 DB 1599 GCACAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCGATGAGCCTCGCC 1540
 |||||
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 |||||

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Db      1539 CTGTGCTGGTCCCGCTTTGTGAGGAGGACAT 1507
|||||
RESULT 12
US-09-780-669-469/c
; Sequence 469, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/780,669
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-469

Alignment Scores:
Pred. No.:      1,07e-42      Length:      2229
Score:          51.00        Matches:      51
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match:     100.00%      Indels:      0
DB:              9          Gaps:          0

US-09-402-713a-7 (1-51) x US-09-780-669-469 (1-2229)
Qy      1 MetPheLeuHisSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db      1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
|||||
Qy      21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 1540
|||||
Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db      1539 CTGTGCTGGTCCCGCTTTGTGAGGAGGACAT 1507
|||||

RESULT 13
US-09-822-827-469/c
; Sequence 469, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827

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```

; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-469

Alignment Scores:
Pred. No.:      1,07e-42      Length:      2229
Score:          51.00        Matches:      51
Percent Similarity: 100.00%    Conservative: 0
Best Local Similarity: 100.00%  Mismatches: 0
Query Match:     100.00%      Indels:      0
DB:              9          Gaps:          0

US-09-402-713a-7 (1-51) x US-09-822-827-469 (1-2229)
Qy      1 MetPheLeuHisSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db      1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAGGAA 1600
|||||
Qy      21 AlaGlnArgSerLeuGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db      1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGGTTCATCGATGAGCCTCGCC 1540
|||||
Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db      1539 CTGTGCTGGTCCCGCTTTGTGAGGAGGACAT 1507
|||||

RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469

Alignment Scores:
Pred. No.:      1,07e-42      Length:      2229

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Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-895-793-469 (1-2229)

Qy 1 MetPheLeuHisLeSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAGGACAAAGGAA 1600
Qy 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTGTCATCGATGAGCCTCGCC 1540
Qy 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507

RESULT 15

US-09-895-814-469/c

: Sequence 469, Application US/09895814

: Publication No. US20020193296A1

GENERAL INFORMATION:

: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yuqiu
: APPLICANT: Kalos, Michael D.
: APPLICANT: Retter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Carter, Darrick
: APPLICANT: Li, Samuel X.
: APPLICANT: Wang, Aijun
: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William T.
: APPLICANT: Henderson, Robert A.
: APPLICANT: Hural, John
: APPLICANT: McNeill, Patricia D.
: APPLICANT: Houghton, Raymond L.
: APPLICANT: Vinals de Bassols, Carlota
: APPLICANT: Foy, Teresa
: APPLICANT: Ranger, Gary R.
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C26
: CURRENT APPLICATION NUMBER: US/09/895,814
: CURRENT FILING DATE: 2001-06-29
: NUMBER OF SEQ ID NOS: 990
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 469
: LENGTH: 2229
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-895-814-469

Alignment Scores:

Pred. No.: 1.07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-7 (1-51) x US-09-895-814-469 (1-2229)

Qy 1 MetPheLeuHisLeSerSerProPheLysTyProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATATCCACACACAGGAGGACAAAGGAA 1600

Qy 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTGGGTGTCATCGATGAGCCTCGCC 1540
Qy 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507

Search completed: April 7, 2005, 02:25:58

Job time : 411 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: April 6, 2005, 13:21:33 ; Search time 120.5 Seconds
(without alignments)
692.532 Million cell updates/sec

Title: US-09-402-713A-2

Perfect score: 51

Sequence: 1 MELHSSPKYPHTQAOKE.....HGGSSMSLALCLVPLVREGH 51

Scoring table:

OLIGO
Xgapop 60.0 , Xgapext 60.0
Ygapop 60.0 , Ygapext 60.0
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Word size: 1

Total number of hits satisfying chosen parameters: 2399978

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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-DB=us09-402-713a-2.oligo.rni -QFMT=fastap -SUFFIX=oligo.rni -TRANS=human40.cdi
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MAIRIX=oligo -ALIGN=15 -MODE=LOCAL
-LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1 -ALIGN=15 -MODE=LOCAL
-OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-USER=US09402713 @CN 1 1.93 @runat 05042005 130802 1400 -NCPUS=6 -ICPU=3
-NO MAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSBLOCK=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=60 -XGAPEXT=60 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database : Issued Patents NA:
1: /cgn2_6/ptodata/1/ina/5A COMB.seq:
2: /cgn2_6/ptodata/1/ina/5B COMB.seq:
3: /cgn2_6/ptodata/1/ina/6A COMB.seq:
4: /cgn2_6/ptodata/1/ina/6B COMB.seq:
5: /cgn2_6/ptodata/1/ina/PTC COMB.seq:
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	51	100.0	812	3	US-09-439-313-471
C 2	51	100.0	812	3	US-09-352-616A-471
C 3	51	100.0	812	4	US-09-636-215-471
C 4	51	100.0	812	4	US-09-685-166A-471
C 5	51	100.0	812	4	US-09-679-426-471
C 6	51	100.0	812	4	US-09-759-143-471
C 7	51	100.0	812	4	US-09-651-236-471
C 8	51	100.0	2229	3	US-09-439-313-469
C 9	51	100.0	2229	3	US-09-352-616A-469
C 10	51	100.0	2229	4	US-09-636-215-469
C 11	51	100.0	2229	4	US-09-685-166A-469
C 12	51	100.0	2229	4	US-09-679-426-469

C 13	51	100.0	2229	4	US-09-759-143-469	Sequence 469, App
C 14	51	100.0	2229	4	US-09-651-236-469	Sequence 469, App
C 15	51	100.0	2426	3	US-09-439-313-470	Sequence 470, App
C 16	51	100.0	2426	3	US-09-352-616A-470	Sequence 470, App
C 17	51	100.0	2426	4	US-09-636-215-470	Sequence 470, App
C 18	51	100.0	2426	4	US-09-685-166A-470	Sequence 470, App
C 19	51	100.0	2426	4	US-09-679-426-470	Sequence 470, App
C 20	51	100.0	2426	4	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	4	US-09-651-236-470	Sequence 470, App
C 22	51	100.0	3112	3	US-09-439-313-468	Sequence 468, App
C 23	51	100.0	3112	3	US-09-352-616A-468	Sequence 468, App
C 24	51	100.0	3112	4	US-09-636-215-468	Sequence 468, App
C 25	51	100.0	3112	4	US-09-685-166A-468	Sequence 468, App
C 26	51	100.0	3112	4	US-09-679-426-468	Sequence 468, App
C 27	51	100.0	3112	4	US-09-759-143-468	Sequence 468, App
C 28	51	100.0	3112	4	US-09-651-236-468	Sequence 468, App
C 29	51	100.0	3923	4	US-09-636-215-690	Sequence 690, App
C 30	51	100.0	3923	4	US-09-685-166A-690	Sequence 690, App
C 31	51	100.0	3923	4	US-09-679-426-690	Sequence 690, App
C 32	51	100.0	3923	4	US-09-759-143-690	Sequence 690, App
C 33	51	100.0	3923	4	US-09-651-236-690	Sequence 690, App
C 34	43	84.3	718	3	US-09-439-313-313	Sequence 313, App
C 35	43	84.3	718	3	US-09-352-616A-313	Sequence 313, App
C 36	43	84.3	718	3	US-09-636-215-313	Sequence 313, App
C 37	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 38	43	84.3	718	4	US-09-679-426-313	Sequence 313, App
C 39	43	84.3	718	4	US-09-759-143-313	Sequence 313, App
C 40	43	84.3	718	4	US-09-651-236-313	Sequence 313, App
C 41	43	84.3	718	4	US-09-636-215-313	Sequence 313, App
C 42	43	84.3	718	4	US-09-685-166A-313	Sequence 313, App
C 43	29	56.9	481	4	US-09-621-976-15110	Sequence 15110, A
C 44	24	47.1	437	4	US-09-513-999C-10843	Sequence 10843, A
C 45	8	15.7	473	4	US-09-513-999C-32036	Sequence 32036, A

ALIGNMENTS

RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FASTSEQ for Windows Version 3.0
; SEQ ID NO: 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

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US-09-402-713A-2 (1-51) x US-09-439-313-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGAGGACCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 2
US-09-352-616A-471/c
; Sequence 471, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-471
Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0
US-09-402-713A-2 (1-51) x US-09-352-616A-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGAGGACCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 3
US-09-636-215-471/c
; Sequence 471, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
US-09-402-713A-2 (1-51) x US-09-636-215-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGAGGACCAAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCCATCTTGGTGCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAGGACAT 452
RESULT 4
US-09-685-166A-471/c
; Sequence 471, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
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; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-685-166A-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 5
US-09-679-426-471/c
; Sequence 471, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Yashir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-679-426-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 6
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Yashir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-759-143-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 7
US-09-651-236-471/c
; Sequence 471, Application US/09651236
; Patent No. 6818751

```

```

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvik, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42718C18
; CURRENT FILING DATE: 1999-11-12
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471

Alignment Scores:
Pred. No.: 5,71e-45 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-651-236-471 (1-812)

QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 484 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 452

RESULT 8
US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313

; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616A-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-439-313-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGCTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 9
US-09-352-616A-469/c
; Sequence 469, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

Alignment Scores:
Pred. No.: 1,51e-44 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 3 Gaps: 0

US-09-402-713a-2 (1-51) x US-09-352-616A-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
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DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507

RESULT 10

US-09-636-215-469/c

; Sequence 469, Application US/09636215

; Patent No. 6620922

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.42717C17

; CURRENT APPLICATION NUMBER: US/09/636,215

; CURRENT FILING DATE: 2000-08-10

; NUMBER OF SEQ ID NOS: 852

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-636-215-469

Alignment Scores:

Pred. No.:	1-51e-44	Length:	2229
Score:	51.00	Matches:	51
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713A-2 (1-51) x US-09-636-215-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 1600

QY 21 AlaGlnArgSerLeuGlyCyluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 DB 1599 GCACAGAGATCCTGGAGAAATGCCGCCGCCCATCTTGGTGCATCGATGAGCTCGCC 1540

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507

RESULT 11

US-09-166A-469/c

; Sequence 469, Application US/09685166A

; Patent No. 6630305

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C21
 ; CURRENT APPLICATION NUMBER: US/09/685,166A
 ; CURRENT FILING DATE: 2000-10-10
 ; NUMBER OF SEQ ID NOS: 898
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 469
 ; LENGTH: 2229
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-685-166A-469

Alignment Scores:

Pred. No.:	1-51e-44	Length:	2229
Score:	51.00	Matches:	51
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	4	Gaps:	0

US-09-402-713A-2 (1-51) x US-09-685-166A-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 1600

QY 21 AlaGlnArgSerLeuGlyCyluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 DB 1599 GCACAGAGATCCTGGAGAAATGCCGCCGCCCATCTTGGTGCATCGATGAGCTCGCC 1540

QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 DB 1539 CTGTGCTGTCCTCCGCTTGTGAGGGAAGGACAT 1507

RESULT 12

US-09-679-426-469/c

; Sequence 469, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0


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; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

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Alignment Scores:
Pred. No.:      1.64e-44      Length:      2426
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Best Local Similarity: 100.00%  Mismatches: 0
Query Match:      100.00%      Indels: 0
DB:               3           Gaps: 0

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US-09-402-713A-2 (1-51) x US-09-439-313-470 (1-2426)

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Qy      1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrClnGluAlaGlnLysGlu 20
Db      1653 ATGTTTTCGCATTTCCAGCCCTTTAAATATCCACACACAGGAGCAACAAAGGAA 1594

Qy      21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db      1593 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTGGGTCTCATCGATGAGCCTCGCC 1534

Qy      41 LeuCysLeuValProLeuValArgGluGlyHis 51
Db      1533 CTGTGCTGGTCCCGCTTGTGAGGGAAGGACAT 1501

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Job time : 123.5 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: April 6, 2005, 23:10:26 ; Search time 408 Seconds
(without alignments)
757.500 Million cell updates/sec

Title: US-09-402-713A-2

Perfect score: 51

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Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

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Word size: 1

Total number of hits satisfying chosen parameters: 11220029

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Maximum DB seq length: 2000000000

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-LOOPCL=0 -LOOPEXT=0 -UNITIS=bits -START=1 -END=-1 -MATRIX=oligo
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=quality -THR MIN=1
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-XGAPOP=6 -FGAPEXT=7 -YGAPOP=60 -YGAPEXT=60 -DELOP=6 -DELEXT=7

Database :

Published Applications NA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
C 1	51	100.0	812	9	US-09-759-143-471	Sequence 471, App
C 2	51	100.0	812	9	US-09-780-669-471	Sequence 471, App
C 3	51	100.0	812	9	US-09-822-827-471	Sequence 471, App
C 4	51	100.0	812	9	US-09-895-793-471	Sequence 471, App
C 5	51	100.0	812	9	US-09-895-814-471	Sequence 471, App
C 6	51	100.0	812	13	US-10-012-896-471	Sequence 471, App
C 7	51	100.0	812	14	US-10-010-940-471	Sequence 471, App
C 8	51	100.0	812	16	US-10-144-678A-471	Sequence 471, App
C 9	51	100.0	812	16	US-10-294-025-471	Sequence 471, App
C 10	51	100.0	876	10	US-09-957-708-3	Sequence 3, Appl
C 11	51	100.0	2229	9	US-09-759-143-469	Sequence 469, App
C 12	51	100.0	2229	9	US-09-780-669-469	Sequence 469, App
C 13	51	100.0	2229	9	US-09-822-827-469	Sequence 469, App
C 14	51	100.0	2229	9	US-09-895-793-469	Sequence 469, App
C 15	51	100.0	2229	9	US-09-895-814-469	Sequence 469, App
C 16	51	100.0	2229	13	US-10-012-896-469	Sequence 469, App
C 17	51	100.0	2229	14	US-10-010-940-469	Sequence 469, App
C 18	51	100.0	2229	16	US-10-144-678A-469	Sequence 469, App
C 19	51	100.0	2229	16	US-10-294-025-469	Sequence 469, App
C 20	51	100.0	2426	9	US-09-759-143-470	Sequence 470, App
C 21	51	100.0	2426	9	US-09-780-669-470	Sequence 470, App
C 22	51	100.0	2426	9	US-09-822-827-470	Sequence 470, App
C 23	51	100.0	2426	9	US-09-895-793-470	Sequence 470, App
C 24	51	100.0	2426	9	US-09-895-814-470	Sequence 470, App
C 25	51	100.0	2426	13	US-10-012-896-470	Sequence 470, App
C 26	51	100.0	2426	14	US-10-010-940-470	Sequence 470, App
C 27	51	100.0	2426	15	US-10-205-823-448	Sequence 448, App
C 28	51	100.0	2426	16	US-10-144-678A-470	Sequence 470, App
C 29	51	100.0	2426	16	US-10-294-025-470	Sequence 470, App
C 30	51	100.0	3112	9	US-09-759-143-468	Sequence 468, App
C 31	51	100.0	3112	9	US-09-780-669-468	Sequence 468, App
C 32	51	100.0	3112	9	US-09-822-827-468	Sequence 468, App
C 33	51	100.0	3112	9	US-09-895-793-468	Sequence 468, App
C 34	51	100.0	3112	9	US-09-895-814-468	Sequence 468, App
C 35	51	100.0	3112	13	US-10-012-896-468	Sequence 468, App
C 36	51	100.0	3112	14	US-10-010-940-468	Sequence 468, App
C 37	51	100.0	3112	16	US-10-144-678A-468	Sequence 468, App
C 38	51	100.0	3112	16	US-10-294-025-468	Sequence 468, App
C 39	51	100.0	3923	9	US-09-759-143-690	Sequence 690, App
C 40	51	100.0	3923	9	US-09-780-669-690	Sequence 690, App
C 41	51	100.0	3923	9	US-09-822-827-690	Sequence 690, App
C 42	51	100.0	3923	9	US-09-895-793-690	Sequence 690, App
C 43	51	100.0	3923	9	US-09-895-814-690	Sequence 690, App
C 44	51	100.0	3923	13	US-10-012-896-690	Sequence 690, App
C 45	51	100.0	3923	15	US-10-205-823-316	Sequence 316, App

ALIGNMENTS

RESULT 1
US-09-759-143-471/c
; Sequence 471, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C23
 ; CURRENT APPLICATION NUMBER: US/09/759,143
 ; CURRENT FILING DATE: 2001-01-12
 ; NUMBER OF SEQ ID NOS: 934
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-759-143-471

 Alignment Scores:
 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

 US-09-402-713A-2 (1-51) x US-09-759-143-471 (1-812)
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCGCCATCTTGGTGCATCGATGAGCCTCGCC 485
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

 RESULT 2
 US-09-780-669-471/c
 ; Sequence 471, Application US/09780669
 ; Patent No. US20020051977A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C24
 ; CURRENT APPLICATION NUMBER: US/09/780,669
 ; CURRENT FILING DATE: 2001-02-09
 ; NUMBER OF SEQ ID NOS: 943
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens

US-09-780-669-471

 Alignment Scores:
 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

 US-09-402-713A-2 (1-51) x US-09-780-669-471 (1-812)
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCGCCATCTTGGTGCATCGATGAGCCTCGCC 485
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

 RESULT 3
 US-09-822-827-471/c
 ; Sequence 471, Application US/09822827
 ; Patent No. US20020081680A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.534C1
 ; CURRENT APPLICATION NUMBER: US/09/822,827
 ; CURRENT FILING DATE: 2001-03-28
 ; NUMBER OF SEQ ID NOS: 982
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-822-827-471

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 Pred. No.: 4.6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

 US-09-402-713A-2 (1-51) x US-09-822-827-471 (1-812)
 QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACCAAAAGGAA 545
 QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 Db 544 GCACAGAGATCCTGGGAGAAATGCCCGCCGCCATCTTGGTGCATCGATGAGCCTCGCC 485
 QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
 Db 484 CTGTGCTGTGCTCCCGTTGTGAGGGAAGGACAT 452

 RESULT 4
 US-09-895-793-471/c
 ; Sequence 471, Application US/09895793
 ; Publication No. US20020192763A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.

APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C2
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-793-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-793-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
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Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
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Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTGATCGATGAGCCTCGCC 485
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Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGACAT 452

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Sequence 471, Application US/09895814
Publication No. US20020193296A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.

APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C26
CURRENT FILING DATE: 2001-06-29
NUMBER OF SEQ ID NOS: 990
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 471
LENGTH: 812
TYPE: DNA
ORGANISM: Homo sapiens
US-09-895-814-471

Alignment Scores:
Pred. No.: 4.6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-814-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
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Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGGAA 545
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCCCATCTTTGGGTGATCGATGAGCCTCGCC 485
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db 484 CTGTGCTGTGCTCCGCTTGTGAGGAGGACAT 452

RESULT 6

US-10-012-896-471/c
Sequence 471, Application US/10012896
Publication No. US20020183251A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yugu
APPLICANT: Kalos, Michael D.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William T.
APPLICANT: Henderson, Robert A.
APPLICANT: Hural, John
APPLICANT: McNeill, Patricia D.
APPLICANT: Houghton, Raymond L.
APPLICANT: Vinals de Bassols, Carlota
APPLICANT: Foy, Teresa
APPLICANT: Fanger, Gary R.
APPLICANT: Wantanabe, Yoshihiro
APPLICANT: Meagher, Madeleine Joy
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C27
 ; CURRENT APPLICATION NUMBER: US/10/012,896
 ; CURRENT FILING DATE: 2001-12-10
 ; NUMBER OF SEQ ID NOS: 1011
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-012-896-471

Alignment Scores:
 Pred. No.: 4,6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 13 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-012-896-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAAAGGAA 545
 |||||
 QY 21 AlaGlnArgSerLeuGlyMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 |||||
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATCGATGAGCTCGCC 485
 |||||
 QY 41 LeuCysLeuValProLeuValArgGlyHis 51
 |||||
 Db 484 CTGTGCTGCTCCGCTTGTGAGGAGGACAT 452
 |||||

RESULT 7

US-10-010-940-471/c
 ; Sequence 471, Application US/10010940
 ; Publication No. US20030088062A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang Yuqi
 ; APPLICANT: Reed, Steven G.
 ; APPLICANT: Kalos, Michael
 ; APPLICANT: Fanger, Gary
 ; APPLICANT: Retter, Mark
 ; APPLICANT: Solk, John
 ; APPLICANT: Day, Craig
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
 ; FILE REFERENCE: 210121.427D3
 ; CURRENT APPLICATION NUMBER: US/10/010,940
 ; CURRENT FILING DATE: 2001-12-05
 ; NUMBER OF SEQ ID NOS: 575
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-010-940-471

Alignment Scores:
 Pred. No.: 4,6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 14 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-010-940-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAAAGGAA 545
 |||||
 QY 21 AlaGlnArgSerLeuGlyMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 |||||
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATCGATGAGCTCGCC 485
 |||||
 QY 41 LeuCysLeuValProLeuValArgGlyHis 51
 |||||
 Db 484 CTGTGCTGCTCCGCTTGTGAGGAGGACAT 452
 |||||

RESULT 8

US-10-144-678A-471/c
 ; Sequence 471, Application US/10144678A
 ; Publication No. US20030157089A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A. W.
 ; APPLICANT: Hepler, William T.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals y de Bassols, Carlota
 ; APPLICANT: Foy, Teresa M.
 ; APPLICANT: Watanabe, Yoshihiro
 ; APPLICANT: Deng, Ta
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C28
 ; CURRENT APPLICATION NUMBER: US/10/144,678A
 ; CURRENT FILING DATE: 2002-08-12
 ; NUMBER OF SEQ ID NOS: 1033
 ; SOFTWARE: FASTSEQ for Windows Version 3.0
 ; SEQ ID NO 471
 ; LENGTH: 812
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-10-144-678A-471

Alignment Scores:
 Pred. No.: 4,6e-43 Length: 812
 Score: 51.00 Matches: 51
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 16 Gaps: 0

US-09-402-713A-2 (1-51) x US-10-144-678A-471 (1-812)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
 |||||
 Db 604 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGAAAGGAA 545
 |||||
 QY 21 AlaGlnArgSerLeuGlyMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
 |||||
 Db 544 GCACAGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGTCATCGATGAGCTCGCC 485
 |||||
 QY 41 LeuCysLeuValProLeuValArgGlyHis 51
 |||||


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Db 484 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 452
|||||
RESULT 9
US-10-294-025-471/c
; Sequence 471, Application US/10294025
; Publication No. US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Stolk, John A.
; APPLICANT: Kalos, Michael D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-471
Alignment Scores:
Pred. No.: 4,6e-43 Length: 812
Score: 51.00 Matches: 51
Percent Similarity: 100.00%
Best Local Similarity: 100.00%
Query Match: 100.00%
Indels: 0
Gaps: 0
DB: 16

US-09-402-713A-2 (1-51) x US-10-294-025-471 (1-812)
QY 1 MetPheLeuHisIleSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 604 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 545
|||||
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 544 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTGGTGCATCGATGAGCTCGCC 485
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db 484 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 452
|||||
RESULT 10
US-09-957-708-3
; Sequence 3, Application US/09957708
; Publication No. US20030031678A1
; GENERAL INFORMATION:
; APPLICANT: Sun, Yongming
; APPLICANT: Recipon, Herve
; APPLICANT: Cafferty, Robert
; APPLICANT: Ali, Shujah
; TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific
; TITLE OF INVENTION: Genes
; FILE REFERENCE: DEX-0239
; CURRENT APPLICATION NUMBER: US/09/957,708
; CURRENT FILING DATE: 2003-09-19
; PRIOR APPLICATION NUMBER: 60/233,746
; PRIOR FILING DATE: 2000-09-19
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-957-708-3
Alignment Scores:
Pred. No.: 4,9e-43 Length: 876
Score: 51.00 Matches: 51

```

```

Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 10 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-957-708-3 (1-876)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 243 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 302
|||||
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 303 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTGGTGCATCGATGAGCTCGCC 362
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||
Db 363 CTGTGCTGCTCCCGCTTGTGAGGAAGGACAT 395
|||||
RESULT 11
US-09-759-143-469/c
; Sequence 469, Application US/09759143
; Patent No. US2002002248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-469
Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-759-143-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
|||||
Db 1659 ATGTTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAA 1600
|||||
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
|||||
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTGGTGCATCGATGAGCTCGCC 1540
|||||
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
|||||

```

```
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507
|||||
RESULT 12
US-09-780-669-469/c
; Sequence 469, Application US/09780669
; Patent No. US20020051977A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-469

Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-780-669-469 (1-2229)
QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
Db 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGGACACAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
Db 1599 GCACAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTGATCGATGAGCTCGCC 1540
QY 41 LeuCySLeuValProLeuValArgGluGlyHis 51
Db 1539 CTGTGCTGGTCCCGCTTGTGAGGAAGGACAT 1507

RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469

Alignment Scores:
Pred. No.: 1,07e-42 Length: 2229
```

Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-793-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAAGGAA 1600
QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 1539 CTGTCCCTGGTCCCGCTTGTGAGGGAAGGACAT 1507

RESULT 15

US-09-895-814-469/c

; Sequence 469, Application US/09895814

; Publication No. US20020193296A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota

; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C26

; CURRENT APPLICATION NUMBER: US/09/895,814

; NUMBER OF SEQ ID NOS: 990

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 469

; LENGTH: 2229

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-895-814-469

Alignment Scores:

Pred. No.: 1.07e-42 Length: 2229
Score: 51.00 Matches: 51
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-09-402-713A-2 (1-51) x US-09-895-814-469 (1-2229)

QY 1 MetPheLeuHisIleSerSerProPheLysTyrProHisThrGlnGluAlaGlnLysGlu 20
DB 1659 ATGTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAAGGAA 1600

QY 21 AlaGlnArgSerLeuGlyGluMetProGlyArgHisLeuGlySerSerMetSerLeuAla 40
DB 1599 GCACAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTGGGTTCATCGATGAGCCTCGCC 1540
QY 41 LeuCysLeuValProLeuValArgGluGlyHis 51
DB 1539 CTGTCCCTGGTCCCGCTTGTGAGGGAAGGACAT 1507

Search completed: April 7, 2005, 02:25:56

Job time : 416 secs

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OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 12:06:32 ; Search time 573.223 Seconds
(without alignments)
10224.884 Million cell updates/sec

Title: US-09-402-713A-6

Perfect score: 3582

Sequence: 1 acagaagaatagcaagtgc.....tgattctttgttacaacttt 3582

Scoring table: OLIGO NUC

Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/prodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/prodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	3036	84.8	3923	4	US-09-636-215-690
2	3036	84.8	3923	4	US-09-685-166A-690
3	3036	84.8	3923	4	US-09-679-426-690
4	3036	84.8	3923	4	US-09-759-143-690
5	3036	84.8	3923	4	US-09-651-236-690
6	1364	38.1	3112	3	US-09-439-313-468
7	1364	38.1	3112	3	US-09-352-616A-468
8	1364	38.1	3112	4	US-09-636-215-468
9	1364	38.1	3112	4	US-09-685-166A-468
10	1364	38.1	3112	4	US-09-679-426-468
11	1364	38.1	3112	4	US-09-759-143-468
12	1364	38.1	3112	4	US-09-651-236-468
13	1357	37.9	2426	3	US-09-439-313-470
14	1357	37.9	2426	3	US-09-352-616A-470
15	1357	37.9	2426	4	US-09-636-215-470
16	1357	37.9	2426	4	US-09-685-166A-470
17	1357	37.9	2426	4	US-09-679-426-470
18	1357	37.9	2426	4	US-09-759-143-470
19	1357	37.9	2426	4	US-09-651-236-470
20	1123	31.4	2229	3	US-09-439-313-469
21	1123	31.4	2229	3	US-09-352-616A-469
22	1123	31.4	2229	4	US-09-636-215-469
23	1123	31.4	2229	4	US-09-685-166A-469
24	1123	31.4	2229	4	US-09-679-426-469
25	1123	31.4	2229	4	US-09-759-143-469
26	1123	31.4	2229	4	US-09-651-236-469
27	720	20.1	812	3	US-09-439-313-471

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c	29	720	20.1	812	4	US-09-636-215-471	Sequence 471, App
c	30	720	20.1	812	4	US-09-685-166A-471	Sequence 471, App
c	31	720	20.1	812	4	US-09-679-426-471	Sequence 471, App
c	32	720	20.1	812	4	US-09-759-143-471	Sequence 471, App
c	33	720	20.1	812	4	US-09-651-236-471	Sequence 471, App
c	34	241	6.7	481	4	US-09-621-976-15110	Sequence 15110, A
c	35	201	5.6	718	3	US-09-439-313-313	Sequence 313, App
c	36	201	5.6	718	3	US-09-352-616A-313	Sequence 313, App
c	37	201	5.6	718	3	US-09-232-149A-313	Sequence 313, App
c	38	201	5.6	718	4	US-09-636-215-313	Sequence 313, App
c	39	201	5.6	718	4	US-09-685-168A-313	Sequence 313, App
c	40	201	5.6	718	4	US-09-688-489-313	Sequence 313, App
c	41	201	5.6	718	4	US-09-679-426-313	Sequence 313, App
c	42	201	5.6	718	4	US-09-759-143-313	Sequence 313, App
c	43	201	5.6	718	4	US-09-651-236-313	Sequence 313, App
c	44	179	5.0	301	3	US-09-439-313-287	Sequence 287, App
c	45	179	5.0	301	3	US-09-352-616A-287	Sequence 287, App

ALIGNMENTS

RESULT 1

US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922

GENERAL INFORMATION:

- APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Devin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.42717C17

CURRENT APPLICATION NUMBER: US/09/636,215

CURRENT FILING DATE: 2000-08-10

NUMBER OF SEQ ID NOS: 852

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 690

LENGTH: 3923

TYPE: DNA

ORGANISM: Homo sapien

US-09-636-215-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ACAGAAGAATAAGCAGAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT	60
Db	1	ACAGAAGAATAAGCAGAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT	60
Qy	61	GGCTCAGCCGAGGAGACAGAGATCTGATGGTGGAAAGGACCTGATATACAGAG	120
Db	61	GGCTCAGCCGAGGAGACAGAGATCTGATGGTGGAAAGGACCTGATATACAGAG	120
Qy	121	GAATTACACATATCTTAGTGTTCATCAACACCAAGATAAATAGTCGAGAGCTA	180
Db	121	GAATTACACATATCTTAGTGTTCATCAACACCAAGATAAATAGTCGAGAGCTA	180

QY	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGCCACTTCTCTGAG	240
Db	181	GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGCCACTTCTCTGAG	240
QY	241	TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Db	241	TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
QY	301	GGTGTGCTGATTTACCATCTGAGGGCCACACATCTGCTGAAATGGAGATAAATTAACATCAC	360
Db	301	GGTGTGCTGATTTACCATCTGAGGGCCACACATCTGCTGAAATGGAGATAAATTAACATCAC	360
QY	361	TAGAACACAGAGATGACAAATATGATCTAGTAGTGACATGTTTTCACATTTCCAG	420
Db	361	TAGAACACAGAGATGACAAATATGATCTAGTAGTGACATGTTTTCACATTTCCAG	420
QY	421	CCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGACACAGAGATCCCTGGGAGA	480
Db	421	CCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGACACAGAGATCCCTGGGAGA	480
QY	481	AATGCCGCCGCCCATCTTTGGGTCTATCGATGAGCCTCGCCCTGTGCTGGTCCCGTTGT	540
Db	481	AATGCCGCCGCCCATCTTTGGGTCTATCGATGAGCCTCGCCCTGTGCTGGTCCCGTTGT	540
QY	541	GAGGAGACACATTAAGAAATGAAATGATGCTGCTTAAAGGATGGGCAGGAACACAGA	600
Db	541	GAGGAGACACATTAAGAAATGAAATGATGCTGCTTAAAGGATGGGCAGGAACACAGA	600
QY	601	TCTGTGTGTGGATATTTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAAGTGA	660
Db	601	TCTGTGTGTGGATATTTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAAGTGA	660
QY	661	CATTACCAATGAGAGGAAACACAGAGAAATCTTGATGGCTTCAAGAATGCAACA	720
Db	661	CATTACCAATGAGAGGAAACACAGAGAAATCTTGATGGCTTCAAGAATGCAACA	720
QY	721	ACCAAAATCGAATCTGATGATGACATGAGCGCAAGCTGGGAGGAGATCAACACGG	780
Db	721	ACCAAAATCGAATCTGATGATGACATGAGCGCAAGCTGGGAGGAGATCAACACGG	780
QY	781	GCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAAAACCTGCGTTTCAFAACCAATCATTTT	840
Db	781	GCAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAAAACCTGCGTTTCAFAACCAATCATTTT	840
QY	841	ATATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTTCTGG	900
Db	841	ATATTTCTAACCCCTCAAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTTCTGG	900
QY	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA	960
Db	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA	960
QY	961	CTGTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTTGTTTCAAGACCCCTTCGTGT	1020
Db	961	CTGTGACCTTTCTACACTGTAGAAATACATTAATCTCAATTTGTTTCAAGACCCCTTCGTGT	1020
QY	1021	GCTGCCATAATGATGATGCTGTTTTCCTAAGGAGTGTCTGCGCCAGGGGATCTGTG	1080
Db	1021	GCTGCCATAATGATGATGCTGTTTTCCTAAGGAGTGTCTGCGCCAGGGGATCTGTG	1080
QY	1081	AACAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
Db	1081	AACAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
QY	1141	TCATTACGGAGTGAATTAATCTAATCAACATCTCCTCAGTGTCTTTGGCCCATCTGAAAT	1200
Db	1141	TCATTACGGAGTGAATTAATCTAATCAACATCTCCTCAGTGTCTTTGGCCCATCTGAAAT	1200
QY	1201	TCATTTCACACTTTTGTGGCCATCTCAAGACCTCAAAATGTCATTTCCATTAAATATCA	1260
Db	1201	TCATTTCACACTTTTGTGGCCATCTCAAGACCTCAAAATGTCATTTCCATTAAATATCA	1260

QY	1261	GGATTAACTTTTAAAACTGAAGAAATCAATGTTTACATGACGCTATGGGAATTTA	1320
Db	1261	GGATTAACTTTTAAAACTGAAGAAATCAATGTTTACATGACGCTATGGGAATTTA	1320
QY	1321	ATTACATATTTTGTTCAGTGCAAGATGATGAAGTCCCTTTATCCCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTGTTCAGTGCAAGATGATGAAGTCCCTTTATCCCTCCCTTTGTTT	1380
QY	1381	GATTTTTCAGTATAAAGTTAAATGCTTTAGCTGTGAGGCTGTATACAGCAC	1440
Db	1381	GATTTTTCAGTATAAAGTTAAATGCTTTAGCTGTGAGGCTGTATACAGCAC	1440
QY	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACCATCAACCCCTCCCATACACCT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTATCAACCATCAACCCCTCCCATACACCT	1500
QY	1501	AAACAAAATCTAACTTGTAAATTCCTTGAACTGTGAGGACATACATTAATTCCTTCTGCT	1560
Db	1501	AAACAAAATCTAACTTGTAAATTCCTTGAACTGTGAGGACATACATTAATTCCTTCTGCT	1560
QY	1561	GAGAAGCTCTTCTTGTCTCTTAAATCTAGATGATGATAAGTTTGAATAAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTTGTCTCTTAAATCTAGATGATGATAAGTTTGAATAAGTTGACTA	1620
QY	1621	TCTTACTTTCATGCAAGGAGGACACATATGAGATTCATCATCATGAGACAGCAAAATA	1680
Db	1621	TCTTACTTTCATGCAAGGAGGACACATATGAGATTCATCATCATGAGACAGCAAAATA	1680
QY	1681	CTAAAAGTGAATTTGATTAAGAGTTAGATAAATATATGAAATGCAAGAGCCACACA	1740
Db	1681	CTAAAAGTGAATTTGATTAAGAGTTAGATAAATATATGAAATGCAAGAGCCACACA	1740
QY	1741	GGGAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTGAAGCAAGGAGGAGGACCTCA	1800
Db	1741	GGGAATGTTTATGGGGCAGCTTTGTAAGCCTGGGATGTGAAGCAAGGAGGAGGACCTCA	1800
QY	1801	TAGTATCTTATATAATATACATTTCTATCTCTATCTATCAATATCAACCAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATACATTTCTATCTCTATCTATCAATATCAACCAAGCTTTT	1860
QY	1861	CACAGAAATCTATGAGTGCAATCCCAAGGTAACTTTTATCCATTTTCATGCTGAGTGC	1920
Db	1861	CACAGAAATCTATGAGTGCAATCCCAAGGTAACTTTTATCCATTTTCATGCTGAGTGC	1920
QY	1921	GCTTTAGAAATTTGGCAATCATCTGGTCACTTATCTCACTTTGAGATGTTTGTCTC	1980
Db	1921	GCTTTAGAAATTTGGCAATCATCTGGTCACTTATCTCACTTTGAGATGTTTGTCTC	1980
QY	1981	TTGTAGTTAAATGAAAGAAATAGGGCCTCTTTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAGTTAAATGAAAGAAATAGGGCCTCTTTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
QY	2041	AATAAGAAATTTACAAAGACTATCAGGACAGTGTGTTTGAAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAGAAATTTACAAAGACTATCAGGACAGTGTGTTTGAAGCTCTGTGTGTGTGT	2100
QY	2101	GT	2160
Db	2101	GT	2160
QY	2161	TTAAAACAAAGCAATGTTTTCAAATGGCCTATGAGCTGCCAATGATGATCAACCATAT	2220
Db	2161	TTAAAACAAAGCAATGTTTTCAAATGGCCTATGAGCTGCCAATGATGATCAACCATAT	2220
QY	2221	CTCATTTTCTCCAGTAAATGTGATAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2280
Db	2221	CTCATTTTCTCCAGTAAATGTGATAAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2280
QY	2281	TTCAACAAAGAGCTGGGAAATGCAACCAACAAATATGCAATAATCTTAACCTCCTACCATCA	2340
Db	2281	TTCAACAAAGAGCTGGGAAATGCAACCAACAAATATGCAATAATCTTAACCTCCTACCATCA	2340
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2401 AAAATACCTTGCATTTAGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460
2401 AAAATACCTTGCATTTAGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGAGAAATATTTCAA 2460
2461 TTCTCAGCAGAACCGAATTTGAAATTCCTCTCATCTTTTAGGAATCATTTACCAGGTTG 2520
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2521 GAGAGATTTCAGACAGCTCAGGCTGCTTCACTAATGCTCTGAACTTCTGCTCCCTTTG 2580
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2581 TGTTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAAATA 2640
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2641 TAAGAACTCTGAGTGATATCAACATTAGGATTTCAAGAAATATTAGATTTAAGCTCACA 2700
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2881 GACACATATAGCTTCTAGCTTTGCTTCCACAGACTTTTATCTTTTCTCCACACATCGC 2940
2881 GACACATATAGCTTCTAGCTTTGCTTCCACAGACTTTTATCTTTTCTCCACACATCGC 2940
2941 TTACCAATCTCTCTCTGCTGCTGCTTGGATTTCCCAAGAAATTTCAACGACTCT 3000
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3001 CAAGTCTTTTCTCCATCCCACTAACCTGAAT 3036

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RESULT 2

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US-09-685-166A-690
; Sequence 690, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21

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; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-685-166A-690

Query Match      84.8%; Score 3036; DB 4; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 ACAGAGAATAAGCAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
QY 61 GGTGTCAGCCGAGGGAGACAGGAAGATCTGCATGTGGGAAGGACTGATGATACAG 120
DB 61 GGTGTCAGCCGAGGGAGACAGGAAGATCTGCATGTGGGAAGGACTGATGATACAG 120
QY 121 GAATTACACACATATACCTTCTCAGTGCACACAGGGCTGGATCACCACGCGCACCTTTCTGAG 180
DB 121 GAATTACACACATATACCTTCTCAGTGCACACAGGGCTGGATCACCACGCGCACCTTTCTGAG 180
QY 181 GTCCGCTGTGAGTCTCCTCAGTGCACACAGGGCTGGATCACCACGCGCACCTTTCTGAG 240
DB 181 GTCCGCTGTGAGTCTCCTCAGTGCACACAGGGCTGGATCACCACGCGCACCTTTCTGAG 240
QY 241 TACTCAGTGCAGAAAGAAAGACTCAGACATCTCAATGGCAGGGGTGAGAAATAAGAA 300
DB 241 TACTCAGTGCAGAAAGAAAGACTCAGACATCTCAATGGCAGGGGTGAGAAATAAGAA 300
QY 301 GGTGCTGACTTTTACCCTCTGAGGCGCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
DB 301 GGTGCTGACTTTTACCCTCTGAGGCGCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
QY 361 TAGAAACAGCAAGATGACAAATATATGTCTTAAGTAGTGCATGTTTTCACATTTCCAG 420
DB 361 TAGAAACAGCAAGATGACAAATATATGTCTTAAGTAGTGCATGTTTTCACATTTCCAG 420
QY 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
DB 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCAGACAGATCCCTGGGAGA 480
QY 481 AATGCCCGGCGCCATCTTGGGCTCAGTGCATGAGGCTCGCCCTGCTGCTCCCGTTGT 540
DB 481 AATGCCCGGCGCCATCTTGGGCTCAGTGCATGAGGCTCGCCCTGCTGCTCCCGTTGT 540
QY 541 GAGGGAAGGACATTTAGAAAATGAAATTTGATGTGTTCTTAAAGGATGGGAGGAGAAACAGA 600
DB 541 GAGGGAAGGACATTTAGAAAATGAAATTTGATGTGTTCTTAAAGGATGGGAGGAGAAACAGA 600
QY 601 TCCCTGTTGGATATTTATTGAAACGGGATTCAGATTTGAAATGAATGATCAAAAGTGAG 660
DB 601 TCCCTGTTGGATATTTATTGAAACGGGATTCAGATTTGAAATGAATGATCAAAAGTGAG 660
QY 661 CATTACCAATGAGAGGAAACAGAGAAATCTTGTGGCTTTCACAGACATGCAACA 720
DB 661 CATTACCAATGAGAGGAAACAGAGAAATCTTGTGGCTTTCACAGACATGCAACA 720
QY 721 AACAAAATGGAATATCTGTGATGACATGAGGAGCCAGCTGGGGAGGAGATTAACACGGG 780
DB 721 AACAAAATGGAATATCTGTGATGACATGAGGAGCCAGCTGGGGAGGAGATTAACACGGG 780
QY 781 GCAGAGGCTCAGGATTTCTGGCCCTGCTGCTCTAAACCTGTGCGTTTCAACAAATCATTTTC 840
DB 781 GCAGAGGCTCAGGATTTCTGGCCCTGCTGCTCTAAACCTGTGCGTTTCAACAAATCATTTTC 840
QY 841 ATATTCTTAACCTCATAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTCTGG 900
DB 841 ATATTCTTAACCTCATAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTCTGG 900

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QY	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA	960
Db	901	CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCCTCCAGATCTGTA	960
QY	961	CTGTGACCTTTTACACCTGTAGAAATAACATTAATCAATTTTGTTCAAAGACCCTTCGTGTT	1020
Db	961	CTGTGACCTTTTACACCTGTAGAAATAACATTAATCAATTTTGTTCAAAGACCCTTCGTGTT	1020
QY	1021	GTGTCCTAATATGATAGTGAATGTTTCTTAAAGAGTGTCTCGGCCCAAGGGATCTGTG	1080
Db	1021	GTGTCCTAATATGATAGTGAATGTTTCTTAAAGAGTGTCTCGGCCCAAGGGATCTGTG	1080
QY	1081	AACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
Db	1081	AACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTACTAGCACACAGCATGA	1140
QY	1141	TCATTAAGGAGTGAATTAATCAATCAACATCATCTCAAGTGTCTTGGCCCACTAGCAAT	1200
Db	1141	TCATTAAGGAGTGAATTAATCAATCAACATCATCTCAAGTGTCTTGGCCCACTAGCAAT	1200
QY	1201	TCATTTCCCACTTTTGTGCGCATCTCAAGACCTCAAAATGTCATTTCCATTAATATCA	1260
Db	1201	TCATTTCCCACTTTTGTGCGCATCTCAAGACCTCAAAATGTCATTTCCATTAATATCA	1260
QY	1261	GGATTAACCTTTTAACTCTGGAAGAAATCAATGTTACATGCAAGCTATGGGAATTTA	1320
Db	1261	GGATTAACCTTTTAACTCTGGAAGAAATCAATGTTACATGCAAGCTATGGGAATTTA	1320
QY	1321	ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTGTTCAGTGCAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT	1380
QY	1381	GAATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCAC	1440
Db	1381	GAATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGATCTGAGGCTGTATACAGCAC	1440
QY	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAACCCCTCCCATACCACT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAACCCCTCCCATACCACT	1500
QY	1501	AAACAAAATCTAACTTTGTAATTCCTTTGAACATGTCAGGACATACATTTCTCTGCCT	1560
Db	1501	AAACAAAATCTAACTTTGTAATTCCTTTGAACATGTCAGGACATACATTTCTCTGCCT	1560
QY	1561	GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA	1620
QY	1621	TCTTACTTTCATGCAAGAAGGACACATATGAGATTCATCATGAGACAGCAAAATA	1680
Db	1621	TCTTACTTTCATGCAAGAAGGACACATATGAGATTCATCATGAGACAGCAAAATA	1680
QY	1681	CTAAAAAGTGAATTTGATTAATAGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAAAGTGAATTTGATTAATAGAGTTTAGATAAATATATGAAATGCAAGAGCCACAGA	1740
QY	1741	GGGAATGTTTATGGGGCAGTTTGTAAAGCCTGGGATGTAGCAAAAGGCGAGGAACCTCA	1800
Db	1741	GGGAATGTTTATGGGGCAGTTTGTAAAGCCTGGGATGTAGCAAAAGGCGAGGAACCTCA	1800
QY	1801	TAGTATCTTATATAATATCTTCAATTTCTATCTCATCAATATCAACAAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATCTTCAATTTCTATCTCATCAATATCAACAAAGCTTTT	1860
QY	1861	CACAGAAATTCATGCAAGTCAAAATCCCAAGGTAACCTTTATCCATTTTATGATGTC	1920
Db	1861	CACAGAAATTCATGCAAGTCAAAATCCCAAGGTAACCTTTATCCATTTTATGATGTC	1920
QY	1921	GCTTTAGAAATTTGGGCAATCATCTGGTCACTTATCTCACTTTGAGATGTTTGTCC	1980
Db	1921	GCTTTAGAAATTTGGGCAATCATCTGGTCACTTATCTCACTTTGAGATGTTTGTCC	1980

QY	1981	TTGTATGTTAAATGAAAGAAATAGGGCACTCTTGTGAGGCCACTTTAGGGTTCACTCTGTGC	2040
Db	1981	TTGTATGTTAAATGAAAGAAATAGGGCACTCTTGTGAGGCCACTTTAGGGTTCACTCTGTGC	2040
QY	2041	AATAAAGAATTTTACAAAGAGCTACTCAGGACAGTGTGTTAAGAGCTCTGTGTGTGTGT	2100
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QY	2101	GTGTGTGTGTGTGTATATGTCGCAAGTGTCTCTCTCTGTGACCCCATTAATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGTGTATATGTCGCAAGTGTCTCTCTCTGTGACCCCATTAATTTTCAGAC	2160
QY	2161	TTAAAAAAGCATGTTTTTCAAAATGGCACTATGAGCTGCAATGATGATCAACCATAT	2220
Db	2161	TTAAAAAAGCATGTTTTTCAAAATGGCACTATGAGCTGCAATGATGATCAACCATAT	2220
QY	2221	CTCATTTATTTCTCCAGTAAATGTGATAATAATGTCTATCTGTAAACATAAAAAAGTTTGAC	2280
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QY	2281	TTCAAAAAGCAGCTGGGAAATGGCAACACCAATATGATTAATCTAATCTCTACCATCA	2340
Db	2281	TTCAAAAAGCAGCTGGGAAATGGCAACACCAATATGATTAATCTAATCTCTACCATCA	2340
QY	2341	GCTACACACTGCTTGACATATATTTGTAGAACACCTCGCATTTGTGGGTTCTCTTAAGC	2400
Db	2341	GCTACACACTGCTTGACATATATTTGTAGAACACCTCGCATTTGTGGGTTCTCTTAAGC	2400
QY	2401	AAAAATCTTGCAATTAAGTCTCAGCTGGGCTGTGATCAAGGCGTTTGAGAAATTTCAA	2460
Db	2401	AAAAATCTTGCAATTAAGTCTCAGCTGGGCTGTGATCAAGGCGTTTGAGAAATTTCAA	2460
QY	2461	TTCTCAGCAGAGCAGCAATTTGAAATTCCTCATCTTTTAGGAATCAATTTACAGGTTG	2520
Db	2461	TTCTCAGCAGAGCAGCAATTTGAAATTCCTCATCTTTTAGGAATCAATTTACAGGTTG	2520
QY	2521	GAGAGATTTACAGACAGCTCAGGTGCTTTCAATAATGTCTCTGAACTTCTGTCCTCTTTG	2580
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QY	2581	TGTTCAATGATAGTCCAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAATA	2640
Db	2581	TGTTCAATGATAGTCCAATAAATGTTATCTTTGAACTGATGCTCATAGAGAGAATA	2640
QY	2641	TAAGAACTCTGAGTCAATCAACATTTAGGATTTCAAGAAATATTTAGATTTAAGCTCACA	2700
Db	2641	TAAGAACTCTGAGTCAATCAACATTTAGGATTTCAAGAAATATTTAGATTTAAGCTCACA	2700
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Db	2701	CTGGTCAAAAGGAACCAAGATACAAAAGAACTCTGAGCTGTCTATCGTCCCATCTCTGTGA	2760
QY	2761	GCCAACAACAGCAGAGGCCAACGCATGCTGAGATCTTAAATCAAGGAACCAAGTG	2820
Db	2761	GCCAACAACAGCAGAGGCCAACGCATGCTGAGATCTTAAATCAAGGAACCAAGTG	2820
QY	2821	TCATGAGTTGAATTTCTCTTATTTAGTGTAGCTTCTGCGCATCTCTGCTCTCTCTT	2880
Db	2821	TCATGAGTTGAATTTCTCTTATTTAGTGTAGCTTCTGCGCATCTCTGCTCTCTCTT	2880
QY	2881	GACACATATTAGCTTTAGCCCTTTGCTTCCAGCATTTTATCTTTCTCCAAACATATGCG	2940
Db	2881	GACACATATTAGCTTTAGCCCTTTGCTTCCAGCATTTTATCTTTCTCCAAACATATGCG	2940
QY	2941	TTACCAATCTCTCTCTGCTCTGTTTGAACCTTCCCAAGAAATTTTCAACGCTCT	3000
Db	2941	TTACCAATCTCTCTCTGCTCTGTTTGAACCTTCCCAAGAAATTTTCAACGCTCT	3000
QY	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT	3036
Db	3001	CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT	3036

RESULT 3

US-09-679-426-690
; Sequence 690, Application US/09679426
; Patent No. 6759515

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-679-426-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAACAGAGGGGAGATTGTGT	60
DB	1	ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAACAGAGGGGAGATTGTGT	60
QY	61	GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTCATATGATACAGAG	120
DB	61	GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTCATATGATACAGAG	120
QY	121	GAATTAACAACATATACTTAGTGTTCATATGAACACCAAGATAAATAGTGAAGAGCTA	180
DB	121	GAATTAACAACATATACTTAGTGTTCATATGAACACCAAGATAAATAGTGAAGAGCTA	180
QY	181	GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGAG	240
DB	181	GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGAG	240
QY	241	TACTCAGTGACGAAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA	300
DB	241	TACTCAGTGACGAAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA	300
QY	301	GGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAAAATGGAGATTAATCAATCAC	360
DB	301	GGCTGCTGACTTACCATCTGAGGCCACACATCTGCTGAAAATGGAGATTAATCAATCAC	360
QY	361	TAGAAACAGACAGATCACAATTAATGTCTAAGTAGTGATGATGTTTTTGCACATTTCCAG	420
DB	361	TAGAAACAGACAGATCACAATTAATGTCTAAGTAGTGATGATGTTTTTGCACATTTCCAG	420
QY	421	CCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAGGACACAGAGATCCCTGGGAGA	480
DB	421	CCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAGGACACAGAGATCCCTGGGAGA	480
QY	481	AATGCCCGCGGCATCTTGGGTTCATGATGAGCCTCGCCCTGTGCTCGCTCGCTTGT	540
DB			

DB	481	AATGCCCGCGGCATCTTGGGTTCATGATGAGCCTCGCCCTGTGCTGTGCTCCGCTTGT	540
QY	541	GAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTCTTAAAGATGGGAGGAAAACAGA	600
DB	541	GAGGGAAGGACATTTAGAAAATGAATTTGATGTGTCTCTTAAAGATGGGAGGAAAACAGA	600
QY	601	TCCTGTGTGGATATTTTGAACCGGATTTACAGATTTTGAATGAAGTCAAAAGTGAG	660
DB	601	TCCTGTGTGGATATTTTGAACCGGATTTACAGATTTTGAATGAAGTCAAAAGTGAG	660
QY	661	CATTACCAATGAGAGGAAAACAGACAGAAAATCTTGATGGCTTCAACAGACATGAACA	720
DB	661	CATTACCAATGAGAGGAAAACAGACAGAAAATCTTGATGGCTTCAACAGACATGAACA	720
QY	721	AACAAAATGGAATFACCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG	780
DB	721	AACAAAATGGAATFACCTGTGATGACATGAGGAGCAAGCTGGGGAGGAGATTAACACGGG	780
QY	781	GCAGAGGTCAGGATTTCTGGCCCTGTGCTCTAAACTGTGGGTTTCAATCAAAATCATTTTC	840
DB	781	GCAGAGGTCAGGATTTCTGGCCCTGTGCTCTAAACTGTGGGTTTCAATCAAAATCATTTTC	840
QY	841	ATATTTCTTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTCTGGG	900
DB	841	ATATTTCTTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCTCTGGG	900
QY	901	CCCAACATTTCTCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCACAGATCTGTA	960
DB	901	CCCAACATTTCTCATATATCCAGCCACACTCATTTTTTAATATTTAGTTCACAGATCTGTA	960
QY	961	CTGTGACCTTTCTACCTGTAGAAATTAATCTCAATTTTGTTCAAAGACCTTCGTGTT	1020
DB	961	CTGTGACCTTTCTACCTGTAGAAATTAATCTCAATTTTGTTCAAAGACCTTCGTGTT	1020
QY	1021	GGTGCTTAATATGTAGTCTGCTGTTTCTTCTAAGGAGTCTCTGCGCCAGGGATCTGTG	1080
DB	1021	GGTGCTTAATATGTAGTCTGCTGTTTCTTCTAAGGAGTCTCTGCGCCAGGGATCTGTG	1080
QY	1081	AACAGGCTGGGAGCATCTCAAGATCTTTCAGGGTTTACTTACTAGCACACAGCATGA	1140
DB	1081	AACAGGCTGGGAGCATCTCAAGATCTTTCAGGGTTTACTTACTAGCACACAGCATGA	1140
QY	1141	TCATTACGAGTGAATTTACTAATCAACATCATCTCAGTGTCTTGGCCCATCTGAAT	1200
DB	1141	TCATTACGAGTGAATTTACTAATCAACATCATCTCAGTGTCTTGGCCCATCTGAAT	1200
QY	1201	TCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCAATTTCAATATACACA	1260
DB	1201	TCATTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCAATTTCAATATACACA	1260
QY	1261	GGATTAACCTTTTAACTGGAAGAAATTCATTTTACATGACAGCTATGGGAATTTA	1320
DB	1261	GGATTAACCTTTTAACTGGAAGAAATTCATTTTACATGACAGCTATGGGAATTTA	1320
QY	1321	ATTACATATTTTTCAGTGCAAGATGACTAAGTCTTTTATCCCTCCCTTTGTTT	1380
DB	1321	ATTACATATTTTTCAGTGCAAGATGACTAAGTCTTTTATCCCTCCCTTTGTTT	1380
QY	1381	GATTTTTTTTCCAGTATAAAGTTTAAATGCTTAGCCTTCTAGCGGTGTATACAGCAC	1440
DB	1381	GATTTTTTTTCCAGTATAAAGTTTAAATGCTTAGCCTTCTAGCGGTGTATACAGCAC	1440
QY	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCAACCATCAACCCCTCCCATACACCT	1500
DB	1441	AGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCAACCATCAACCCCTCCCATACACCT	1500
QY	1501	AAACAAAATCTAATCTTGTAAATTCCTTGAACATGTTCAGGACATACATATTCCTTCTGCCT	1560
DB	1501	AAACAAAATCTAATCTTGTAAATTCCTTGAACATGTTCAGGACATACATATTCCTTCTGCCT	1560
QY	1561	GAGAGCTCTTCTTGTCTCTTAAATCTAGAATGATGTAAGTTTTGAATNAGTTGACTA	1620
DB	1561	GAGAGCTCTTCTTGTCTCTTAAATCTAGAATGATGTAAGTTTTGAATNAGTTGACTA	1620

1621 TCTTACTTCATGCAAGGACACATATGAGATTCATCATCATGAGACAGCAATA 1680
1621 TCTTACTTCATGCAAGGACACATATGAGATTCATCATCATGAGACAGCAATA 1680
1681 CTAAGAGTGAATTTGATTAATAGAGTTAGATAAATATATGAAATGCAAGAGCCACAGA 1740
1681 CTAAGAGTGAATTTGATTAATAGAGTTAGATAAATATATGAAATGCAAGAGCCACAGA 1740
1741 GGGAAATGTTATGGGCGAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGAGGAACCTCA 1800
1741 GGGAAATGTTATGGGCGAGTTTGTAAAGCTGGGATGTGAAGCAAGGCGAGGAACCTCA 1800
1801 TAGTATCTTATATAAATATCTTCAATTTCTATCTATCAAAATATCAAAAGCTTTT 1860
1801 TAGTATCTTATATAAATATCTTCAATTTCTATCTATCAAAATATCAAAAGCTTTT 1860
1861 CACAGAAATTCATGACGTGCAATCCCAAGGTAACCTTTATCCATTTTATGATGTC 1920
1861 CACAGAAATTCATGACGTGCAATCCCAAGGTAACCTTTATCCATTTTATGATGTC 1920
1921 GCTTTAGAAATTTGGCAATCTACTGCTGCTTATCTCAATTTTATGATGTC 1980
1921 GCTTTAGAAATTTGGCAATCTACTGCTGCTTATCTCAATTTTATGATGTC 1980
1981 TTGTAGTAAATGAAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGC 2040
1981 TTGTAGTAAATGAAAGAAATAGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGC 2040
2041 AATAAGAAATTTACAAAGAGTACTCAGGACCAAGTTGTTAAAGAGTCTCTGTGTGTGT 2100
2041 AATAAGAAATTTACAAAGAGTACTCAGGACCAAGTTGTTAAAGAGTCTCTGTGTGTGT 2100
2101 GTGTGTGTGAGTGTACATGCAAGAGTGTGCTCTCTCTGTGAGCCACTTTTTCAGAC 2160
2101 GTGTGTGTGAGTGTACATGCAAGAGTGTGCTCTCTCTGTGAGCCACTTTTTCAGAC 2160
2161 TTAACCAAGCATGTTTCAATGAGCACTATGAGTGCCTAATGATGATATCAACCATAT 2220
2161 TTAACCAAGCATGTTTCAATGAGCACTATGAGTGCCTAATGATGATATCAACCATAT 2220
2221 CTCATTTATTCAGTAATATGATTAATATGTCATCTGTTTAACTAAATAAAGTTTTCAC 2280
2221 CTCATTTATTCAGTAATATGATTAATATGTCATCTGTTTAACTAAATAAAGTTTTCAC 2280
2281 TTCAAAAGCAGCTGGAATGCAACCAACATATGATTAATATGATTAATATGATTAATAT 2340
2281 TTCAAAAGCAGCTGGAATGCAACCAACATATGATTAATATGATTAATATGATTAATAT 2340
2341 GCTACACACTGCTTGACATATATTTAGAGCACTCGCATTTGTTGGGTTCTCTTAAGC 2400
2341 GCTACACACTGCTTGACATATATTTAGAGCACTCGCATTTGTTGGGTTCTCTTAAGC 2400
2401 AAAATCTTGCAATAGGCTCAGCTGGGCTGTGATCAGGCGGTTTGAGAAATATTCAA 2460
2401 AAAATCTTGCAATAGGCTCAGCTGGGCTGTGATCAGGCGGTTTGAGAAATATTCAA 2460
2461 TTCTGAGCAGAGCAGAAATTTGAAATTCCTCTATCTTTAGGAAATCAATTCAGGTTTG 2520
2461 TTCTGAGCAGAGCAGAAATTTGAAATTCCTCTATCTTTAGGAAATCAATTCAGGTTTG 2520
2521 GAGAGGATTCAGACAGCTCAGGTCCTTCACTAATGCTCTGAACTTCTGCTCTCTTTG 2580
2521 GAGAGGATTCAGACAGCTCAGGTCCTTCACTAATGCTCTGAACTTCTGCTCTCTTTG 2580
2581 TGTTTATGATAGTCCAAATAAATATGTTATCTTTTGAATGATGCTCAGGAGAGATA 2640
2581 TGTTTATGATAGTCCAAATAAATATGTTATCTTTTGAATGATGCTCAGGAGAGATA 2640
2641 TAGAACTCTGAGTGTATCAACATTTAGGATTTCAAGAAATATTAAGTTTAAAGCTCACA 2700
2641 TAGAACTCTGAGTGTATCAACATTTAGGATTTCAAGAAATATTAAGTTTAAAGCTCACA 2700

2701 CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTATCGTCCCATCTCTGTGA 2760
2701 CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTATCGTCCCATCTCTGTGA 2760
2761 GCCACACCAACAGCAGGACCCCAACGATGCTGAGATCTTAAATCAAGGAAACGAGTG 2820
2761 GCCACACCAACAGCAGGACCCCAACGATGCTGAGATCTTAAATCAAGGAAACGAGTG 2820
2821 TCATGAGTTGAATTTCTCTATTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTTT 2880
2821 TCATGAGTTGAATTTCTCTATTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTTT 2880
2881 GACACATATAGCTTCTAGCCCTTTCTCCACGACTTTTATCTTTTCTCCAAACATCGC 2940
2881 GACACATATAGCTTCTAGCCCTTTCTCCACGACTTTTATCTTTTCTCCAAACATCGC 2940
2941 TTACCAATCTCTCTCTGCTCTGTTGCTTTGAGCTTCCCAAGAAATTTCAACGACTCT 3000
2941 TTACCAATCTCTCTCTGCTCTGTTGCTTTGAGCTTCCCAAGAAATTTCAACGACTCT 3000
3001 CAAGTCTTTTCTTCATCCCAACCACTAACCTGAAT 3036
3001 CAAGTCTTTTCTTCATCCCAACCACTAACCTGAAT 3036

RESULT 4
US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

Query Match 84.8%; Score 3036; DB 4; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ACAGAGAAATAGCAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60
1 ACAGAGAAATAGCAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGT 60
61 GGTCTGAGCCGAGGAGACAGAGAGATCTGATGTTGGAAAGGACCTGATGATACAGAG 120
61 GGTCTGAGCCGAGGAGACAGAGAGATCTGATGTTGGAAAGGACCTGATGATACAGAG 120
121 GAATTACAAACATATATCTTAGTGTTCATGAACCAAGATAAATAAGTGAAGACTTA 180

Db	121		GAATTACAACACATATACCTTAGTGTCTTCAATGAACCAACCAAGATAAATAAGTGAAGACTA	180
Qy	181		GTCCGCTGTGAGTCTCTCTCAGTGACACAGGGCTGGATCACCATCGCAGCGCACCTTCTGAG	240
Db	181		GTCCGCTGTGAGTCTCTCTCAGTGACACAGGGCTGGATCACCATCGCAGCGCACCTTCTGAG	240
Qy	241		TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Db	241		TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA	300
Qy	301		GGTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATTAATTAACATCAC	360
Db	301		GGTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATTAATTAACATCAC	360
Qy	361		TAGAAAACAGCAAGATGACAAATAAATGTCTAAGTGTAGTGACATGTCTTTTGCACATTTCCAG	420
Db	361		TAGAAAACAGCAAGATGACAAATAAATGTCTAAGTGTAGTGACATGTCTTTTGCACATTTCCAG	420
Qy	421		CCCTTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGA	480
Db	421		CCCTTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGA	480
Qy	481		AATGCCGGCGCCCATCTTGGGTTCATGATGAGCTCGCCCTGTGCTGTGCTCCGCTTGT	540
Db	481		AATGCCGGCGCCCATCTTGGGTTCATGATGAGCTCGCCCTGTGCTGTGCTCCGCTTGT	540
Qy	541		GAGGGAAGGACATTTAGAAAATGAATGTGTGTCTTAAAGGATGGCGAGGAAAACAGA	600
Db	541		GAGGGAAGGACATTTAGAAAATGAATGTGTGTCTTAAAGGATGGCGAGGAAAACAGA	600
Qy	601		TCTGTGTGTGATTTATTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAGTGAG	660
Db	601		TCTGTGTGTGATTTATTTGAACGGGATTAACAGATTTGAAATGAAGTCAACAAGTGAG	660
Qy	661		CATTACCAATGAGAGAAAACACAGCAAGAAAATCTTGATGGCTTCAACAGACATGCAACA	720
Db	661		CATTACCAATGAGAGAAAACACAGCAAGAAAATCTTGATGGCTTCAACAGACATGCAACA	720
Qy	721		AACAAAATGGAATACGTGATGATGATGAGCAGCAGCAAGCTGGGGAGGAGATAACACCGG	780
Db	721		AACAAAATGGAATACGTGATGATGATGAGCAGCAGCAAGCTGGGGAGGAGATAACACCGG	780
Qy	781		GCAGGGGTGAGGATCTGGCCCTGCTGCTGCTAACTGTGGTTCATAACCAATCATTTTC	840
Db	781		GCAGGGGTGAGGATCTGGCCCTGCTGCTGCTAACTGTGGTTCATAACCAATCATTTTC	840
Qy	841		ATATTTCTAACCTTCAAAACAAAGCTGTTGTATATCTGATCTCTACGGTTCCTTCTGGG	900
Db	841		ATATTTCTAACCTTCAAAACAAAGCTGTTGTATATCTGATCTCTACGGTTCCTTCTGGG	900
Qy	901		CCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATATTAGTTCCTCAGATCTGTA	960
Db	901		CCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATATTAGTTCCTCAGATCTGTA	960
Qy	961		CTGTGACCTTTCTACACTGTGAGAAATAACATTTCTCAATTTTGTTCAAAAGACCCCTTCGTGT	1020
Db	961		CTGTGACCTTTCTACACTGTGAGAAATAACATTTCTCAATTTTGTTCAAAAGACCCCTTCGTGT	1020
Qy	1021		GCTGCCATATATGACTGACTGTCTTCTTAAGGAGTGTCTGGGCCGAGGGATCTGTG	1080
Db	1021		GCTGCCATATATGACTGACTGTCTTCTTAAGGAGTGTCTGGGCCGAGGGATCTGTG	1080
Qy	1081		AACAGGCTGGGAAGACTCTCAAGATCTTCCAGGGTTATCTTACTAGCAGCAGCATGA	1140
Db	1081		AACAGGCTGGGAAGACTCTCAAGATCTTCCAGGGTTATCTTACTAGCAGCAGCATGA	1140
Qy	1141		TCATTACGGAGTAATTTCTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAAT	1200
Db	1141		TCATTACGGAGTAATTTCTAATCAACATCATCTCAGTGTCTTTGGCCCATCTGAAAT	1200
Qy	1201		TCATTTCCCACTTTGTGGCCATCTCAAGACCTTCAAAATGTCAATTTCAATATACACA	1260

Db	1201	TCATTTCCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCAATTCATTAATATACACA	1260
Qy	1261	GGATTAACCTTTTTTTTTTAACTTGAAGAAATTCATGTTACATGACAGCTATGGGAATTTA	1320
Db	1261	GGATTAACCTTTTTTTTTTAACTTGAAGAAATTCATGTTACATGACAGCTATGGGAATTTA	1320
Qy	1321	ATTACATATTTTGTGTTTTCCAGTGCAAAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTGTGTTTTCCAGTGCAAAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTT	1380
Qy	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCCCTTGTACTGAGGCTGTATACAGCAC	1440
Db	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCCCTTGTACTGAGGCTGTATACAGCAC	1440
Qy	1441	AGCTCTCTCCCATCCCTCCAGCCTTATCTGTCTATCAACCATCAACCCCTCCCATACCACT	1500
Db	1441	AGCTCTCTCCCATCCCTCCAGCCTTATCTGTCTATCAACCATCAACCCCTCCCATACCACT	1500
Qy	1501	AAACAAAATCTAATCTTGTAAATCTTGAACATGTCTAGGACATACATTTATCTTCTTGCCT	1560
Db	1501	AAACAAAATCTAATCTTGTAAATCTTGAACATGTCTAGGACATACATTTATCTTCTTGCCT	1560
Qy	1561	GAGNAGCTCTTCTCTCTCTTAAATCTAGAAATGATGTAAGTTTGAATTAAGTTGACTA	1620
Db	1561	GAGNAGCTCTTCTCTCTCTTAAATCTAGAAATGATGTAAGTTTGAATTAAGTTGACTA	1620
Qy	1621	TCTTACTTCTCATGCAAAAGAGGACACATATGAGATTCATCATCAGATGAGACAGCAATA	1680
Db	1621	TCTTACTTCTCATGCAAAAGAGGACACATATGAGATTCATCATCAGATGAGACAGCAATA	1680
Qy	1681	CTAAAAGTGTAAATTTGATTTAAGAGTTTAGATAAATAATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAAGTGTAAATTTGATTTAAGAGTTTAGATAAATAATGAAATGCAAGAGCCACAGA	1740
Qy	1741	GGNAGTGTAAATGCGGCGACGTTTGTAAAGCTGGGATGTGAGCAAGGCGAGGAACTCA	1800
Db	1741	GGNAGTGTAAATGCGGCGACGTTTGTAAAGCTGGGATGTGAGCAAGGCGAGGAACTCA	1800
Qy	1801	TAGTATCTTATATAATATATCT	1860
Db	1801	TAGTATCTTATATAATATATCT	1860
Qy	1861	CACAGAAATTCAGTGTGCAAAATCCCAAGGTAACTTTATCCATTTTCAATGTGTGAGTGC	1920
Db	1861	CACAGAAATTCAGTGTGCAAAATCCCAAGGTAACTTTATCCATTTTCAATGTGTGAGTGC	1920
Qy	1921	GCTTTAGAAATTTGGCAAAATCATCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1980
Db	1921	GCTTTAGAAATTTGGCAAAATCATCTGCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT	1980
Qy	1981	TTGTAGTTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC	2040
Db	1981	TTGTAGTTAAATTTGAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGC	2040
Qy	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTTTGTAAAGAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTTTGTAAAGAGCTCTGTGTGTGTGT	2100
Qy	2101	GT	2160
Db	2101	GT	2160
Qy	2161	TTAAAACAGCATGTTTTTCAAAATGGCACTATGAGCTGGCAATGATGATATCAACCACTAT	2220
Db	2161	TTAAAACAGCATGTTTTTCAAAATGGCACTATGAGCTGGCAATGATGATATCAACCACTAT	2220
Qy	2221	CTCATTTTCTCCAGTAAATGTGATAAATGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2280
Db	2221	CTCATTTTCTCCAGTAAATGTGATAAATGTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2280
Qy	2281	TTCAACAAGAGCTGGGAAATGGCAACCAACCAATATGCAATTAATCTCTTACCATCA	2340
Db	2281	TTCAACAAGAGCTGGGAAATGGCAACCAACCAATATGCAATTAATCTCTTACCATCA	2340

Qy	2341	GCTACACACTGCTTGA	CATATATTTGTAGAGCA	CCTCGCATTTGTGGGTTCTCTTAAGC	2400
Db	2341	GCTACACACTGCTTGA	CATATATTTGTAGAGCA	CCTCGCATTTGTGGGTTCTCTTAAGC	2400
Qy	2401	AAAATACCTTCATTTAG	GTCTCAGCTGGGCTGTG	CATCAGCGGTTTGGAGAAATATTCAA	2460
Db	2401	AAAATACCTTCATTTAG	GTCTCAGCTGGGCTGTG	CATCAGCGGTTTGGAGAAATATTCAA	2460
Qy	2461	TTCTCAGCAGAAGCCAG	AATTTGAAATCCCTCA	TCTTTTAGGAATCATTTACCAGGTTTG	2520
Db	2461	TTCTCAGCAGAAGCCAG	AATTTGAAATCCCTCA	TCTTTTAGGAATCATTTACCAGGTTTG	2520
Qy	2521	GAGGAGNATCAGACAG	CTCAGGTCCTTCACTA	ATGCTCTGAACTCTCTGCTCCTCTTTG	2580
Db	2521	GAGGAGNATCAGACAG	CTCAGGTCCTTCACTA	ATGCTCTGAACTCTCTGCTCCTCTTTG	2580
Qy	2581	TGTTTCATGGATAGTCC	AAATAAATGTTATCTT	TGAACTGTATCTTTGAACTGTCTATAGGAGAGAATA	2640
Db	2581	TGTTTCATGGATAGTCC	AAATAAATGTTATCTT	TGAACTGTATCTTTGAACTGTCTATAGGAGAGAATA	2640
Qy	2641	TAAGAACTCTGAGTGAT	ATCAA	CATTAGGATTTCAAAGAAATATTAGATTTAGACTCACA	2700
Db	2641	TAAGAACTCTGAGTGAT	ATCAA	CATTAGGATTTCAAAGAAATATTAGATTTAGACTCACA	2700
Qy	2701	CTGGTCAAAAGGAACCA	AGATACAAAGAACTCT	GAGCTGTATCGTCTCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGGAACCA	AGATACAAAGAACTCT	GAGCTGTATCGTCTCCCATCTCTGTGA	2760
Qy	2761	GCACAACCAACAGCAG	ACCCACGATCTGAGAT	CTCTTAATCAAGGAACCAAGTG	2820
Db	2761	GCACAACCAACAGCAG	ACCCACGATCTGAGAT	CTCTTAATCAAGGAACCAAGTG	2820
Qy	2821	TCATGAGTTGAAATCT	CTCTATATGGATGCTAG	CTTCTGGCCATCTCTGGCTCTCTCTTT	2880
Db	2821	TCATGAGTTGAAATCT	CTCTATATGGATGCTAG	CTTCTGGCCATCTCTGGCTCTCTCTTT	2880
Qy	2881	GACACATATTAGCTTT	CAGCTTTGCTTCCACGAT	CTTTTCTCCAACACATCGC	2940
Db	2881	GACACATATTAGCTTT	CAGCTTTGCTTCCACGAT	CTTTTCTCCAACACATCGC	2940
Qy	2941	TTACCAATCCTCTCTG	CTCTGTGTGTTGGACT	CTCCCAAGAATTTCAAGACTCT	3000
Db	2941	TTACCAATCCTCTCTG	CTCTGTGTGTTGGACT	CTCCCAAGAATTTCAAGACTCT	3000
Qy	3001	CAAGTCTTTTCTTCCAT	CCCCACCACTAA	CCTGAAT	3036
Db	3001	CAAGTCTTTTCTTCCAT	CCCCACCACTAA	CCTGAAT	3036

RESULT 5

US-09-651-236-690
; Sequence 690, Application US/09651236
: Patent No. 6818751

; PACEIL NO. 6816731
: GENERAL INFORMATION:

GENERAL INFORMATION	Xu, Jianshun
APPLICANT:	Dillon, Devin C.
APPLICANT:	Mitcham, Jennifer L.
APPLICANT:	Harlocker, Susan L.
APPLICANT:	Jiang, Yuqi
APPLICANT:	Henderson, Robert A.
APPLICANT:	Kalos, Michael D.
APPLICANT:	Fanger, Gary R.
APPLICANT:	Better, Marc W.
APPLICANT:	Stolk, John A.
APPLICANT:	Day, Craig H.
APPLICANT:	Vedvick, Thomas S.
APPLICANT:	Carter, Darrick
APPLICANT:	Li, Samuel
APPLICANT:	Wang, Aijun
APPLICANT:	Skeiky, Yasir A.W.
APPLICANT:	Hepler, William
TITLE OF INVENTION:	COMPOSITION

;
; AFFICAN, neper, WILLIAM
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121 42718C18

FILE REFERENCE: Z10121.42/18C18
CURRENT APPLICATION NUMBER: US/09/651.2336

; CURRENT APPLICATION NUMBER: US/0
 ; CURRENT FILING DATE: 2000-08-29

; CURRENT FILING DATE: 2000
 ; NUMBER OF SEQ ID NOS: 865

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; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0

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; SOFTWARE: F
; SEQ ID NO 690

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; SEQ ID NO 690
1 ENCTH. 3923

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; LENGTH: 3
TYPE: DATA

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TYPE: DNA

; ORGANISM: HOM

Query Match 84.8%: Score 3036; DB 4: Length 3923;

Query match	84.8%	Score 3030,
Best Local Similarity	100.0%	Pred. No. 0

BEST LOCAL SIMILARITY 100.0%; FILED: NO. 0;
Matches 3036: Conservative 0: Mismatches 0: Indels 0: Gaps 0:

Qy	1	ACAGAAGAAATAGCAAGTCCGCGAGAACCTCGCATCAGAAATAACAGAGGGAGAGATTTGTGT	60
Db	1	ACAGAAGAAATAGCAAGTCCGCGAGAGCTGGCATCAGAAATAACAGAGGGAGAGATTTGTGT	60
Qy	61	GGCTGCAGCCGAGGGAGAGACCAAGGAAGATCTGCATGTGTGGAAAGGACCTGATGATACAGAG	120
Db	61	GGCTGCAGCCGAGGGAGAGACCAAGGAAGATCTGCATGTGTGGAAAGGACCTGATGATACAGAG	120
Qy	121	GAATTACAAACACATATACCTTAGTGTTCATATGAACACCAAGATTAATAAGTGAAGAGCTTA	180
Db	121	GAATTACAAACACATATACCTTAGTGTTCATATGAACACCAAGATTAATAAGTGAAGAGCTTA	180
Qy	181	GTCCGCTGTGAGTCTCTCTCAGTGAACACAGGGGCTCGGATCACCATCGAGCGGCACCTTTCTGAG	240
Db	181	GTCCGCTGTGAGTCTCTCTCAGTGAACACAGGGGCTCGGATCCATCGAGCGGCACCTTTCTGAG	240
Qy	241	TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGCGAGGGTGAGAAATAAGAA	300
Db	241	TACTCAGTGCAGCAAAAGAAAGACTACAGACATCTCAATGCGAGGGTGAGAAATAAGAA	300
Qy	301	GGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGAGAGATAATTAACATCAC	360
Db	301	GGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGAGAGATAATTAACATCAC	360
Qy	361	TAGMAACAGCAAGATGACAATATTAATGTCTAAGTAGTGAACATGTTTTTGCACATTTCCAG	420
Db	361	TAGMAACAGCAAGATGACAATATTAATGTCTAAGTAGTGAACATGTTTTTGCACATTTCCAG	420
Qy	421	CCCTTTTAAATATCCACACACAGAGGAAGCAAAAAGGAAGCAACAGAGATCCCTGGGAGA	480
Db	421	CCCTTTTAAATATCCACACACAGAGGAAGCAAAAAGGAAGCAACAGAGATCCCTGGGAGA	480
Qy	481	AATGCCCGGCGCCCATCTTTGGGTGATCGATCAGCGCTCGCCCTGTGCTGTGCTCGCGTTGT	540
Db	481	AATGCCCGGCGCCCATCTTTGGGTGATCGATCAGCGCTCGCCCTGTGCTGTGCTCGCGTTGT	540
Qy	541	GAGGGAAGGACATTAGAAAATGAATTGATGTGTTCTTTAAAGGATGGCGAGGAAAAACAGA	600
Db	541	GAGGGAAGGACATTAGAAAATGAATTGATGTGTTCTTTAAAGGATGGCGAGGAAAAACAGA	600
Qy	601	TCTCTGTGTGGATATTTATTTTGAACCGGATTAACAGATTTGAAATGAAGTCACAAGGTGAG	660
Db	601	TCTCTGTGTGGATATTTATTTTGAACCGGATTAACAGATTTGAAATGAAGTCACAAGGTGAG	660
Qy	661	CATTACCAATGAGAGAAAAACAGACGAGAAAATCTTGATGGCTTTCACAGACATGCAACA	720
Db	661	CATTACCAATGAGAGAAAAACAGACGAGAAAATCTTGATGGCTTTCACAGACATGCAACA	720
Qy	721	AACAAAATCGAATACTGTGATGACATGAGGAGCGCAAGCTGGGGAGAGAGATAACACGGG	780
Db	721	AACAAAATCGAATACTGTGATGACATGAGGAGCGCAAGCTGGGGAGAGAGATAACACGGG	780
Qy	781	GCAGAGGGTCAGGATCTTGCCCTGCTCCCTTAAACTGTGCGTTCAATACCAATCATTTTC	840
Db	781	GCAGAGGGTCAGGATCTTGCCCTGCTCCCTTAAACTGTGCGTTCAATACCAATCATTTTC	840
Qy	841	ATATTTTCAACCTCAAAACAAAGCTGTGTGAATATCTGATCTCTACGGTTCCCTTCGGG	900

Db 841 |||||ATATTCTTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCCTCTCGGG 900
 Qy 901 CCCAACAATTCCTCATATATCCAGCCACACCTCATTTTAAATATATAGTTCCAGATCTGTA 960
 Db 901 CCCAACAATTCCTCATATATCCAGCCACACCTCATTTTAAATATATAGTTCCAGATCTGTA 960
 Qy 961 CTGTGACCTTTCTACACTGTAGATAAATATATCTATCTATTTGTTTCAAGACCCCTCGTGT 1020
 Db 961 CTGTGACCTTTCTACACTGTAGATAAATATATCTATCTATTTGTTTCAAGACCCCTCGTGT 1020
 Qy 1021 GCTGCTTAATATCTAGCTGACTGTTTCTCTAGAGAGTGTCTGSCCCAGGGATCTGTG 1080
 Db 1021 GCTGCTTAATATCTAGCTGACTGTTTCTCTAGAGAGTGTCTGSCCCAGGGATCTGTG 1080
 Qy 1081 AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATATCTTACTAGACACACAGCATGA 1140
 Db 1081 AACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTTATATCTTACTAGACACACAGCATGA 1140
 Qy 1141 TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGCCCCATCTGAAAT 1200
 Db 1141 TCATTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGTCTTTGCCCCATCTGAAAT 1200
 Qy 1201 TCATTTCGCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCATTTCCATTAAATATACA 1260
 Db 1201 TCATTTCGCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCATTTCCATTAAATATACA 1260
 Qy 1261 GGATTAACCTTTTAACTTGGGAAGTTCATGTTTACATGACAGCTATGCGGAATTTA 1320
 Db 1261 GGATTAACCTTTTAACTTGGGAAGTTCATGTTTACATGACAGCTATGCGGAATTTA 1320
 Qy 1321 ATTAACATATTTGTTTCCAGTCCAAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT 1380
 Db 1321 ATTAACATATTTGTTTCCAGTCCAAAGATGACTAAGTCTTTATCCCTCCCTTTGTTT 1380
 Qy 1381 GATTTTTCAGTATAAGTTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAC 1440
 Db 1381 GATTTTTCAGTATAAGTTTAAATGCTTAGCCTTGTACTGAGGCTGTATACAGCAC 1440
 Qy 1441 AGCCTCTCCCATCTCCAGCCTTATCTGTATCAACCAACCTCCCATPACCACCT 1500
 Db 1441 AGCCTCTCCCATCTCCAGCCTTATCTGTATCAACCAACCTCCCATPACCACCT 1500
 Qy 1501 AAAAATAATCTAACTTGTAAATCTTGAACATGTCTAGGACATACATTTCTTCTGCT 1560
 Db 1501 AAAAATAATCTAACTTGTAAATCTTGAACATGTCTAGGACATACATTTCTTCTGCT 1560
 Qy 1561 GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA 1620
 Db 1561 GAGAAGCTCTTCTGCTCTTAAATCTAGAATGATGTAAGTTTGAATTAAGTTGACTA 1620
 Qy 1621 TCTTACTTCATGCAAGAAGGGACATATGAGATTCATCATCATGAGACAGCAATA 1680
 Db 1621 TCTTACTTCATGCAAGAAGGGACATATGAGATTCATCATCATGAGACAGCAATA 1680
 Qy 1681 CTAAGAAGTGTAAATTTGATTAATAGAGTTTAGATAAATATATGAATGCAAGAGCCACAGA 1740
 Db 1681 CTAAGAAGTGTAAATTTGATTAATAGAGTTTAGATAAATATATGAATGCAAGAGCCACAGA 1740
 Qy 1741 GGAATGTTTATGCGGCACTTTTGTAAAGCTTGGGATGTGAAGCAAAAGGCGAGGAACTCTCA 1800
 Db 1741 GGAATGTTTATGCGGCACTTTTGTAAAGCTTGGGATGTGAAGCAAAAGGCGAGGAACTCTCA 1800
 Qy 1801 TAGTATCTTATATAATATCTTCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCT 1860
 Db 1801 TAGTATCTTATATAATATCTTCTATCTATCTATCTATCTATCTATCTATCTATCTATCTATCT 1860
 Qy 1861 CACAGAATTCATGAGTGAATATCCCAAGAGTAACTTTATCTTCTATCTTCTATCTTCTGAGTGC 1920
 Db 1861 CACAGAATTCATGAGTGAATATCCCAAGAGTAACTTTATCTTCTATCTTCTATCTTCTGAGTGC 1920
 Qy 1921 GCTTTAGAAATTTTGGCAATCATATCTGCTCATTTATCTCACTTTGAGATGTTTGTCC 1980
 Db |||||

Db 1921 GCTTTAGAAATTTTGGCAAAATCATATCTGGTCACCTTATCTCAACTTTGAGATGTTGTGTC 1980
 Qy 1981 TTGTAGTAAATTTGAAAGAAATAGGCACCTCTTGTGAGCCACTTTTATAGGTTTCACTCTCTGGC 2040
 Db 1981 TTGTAGTAAATTTGAAAGAAATAGGCACCTCTTGTGAGCCACTTTTATAGGTTTCACTCTCTGGC 2040
 Qy 2041 AATAAAGAATTTTCAAAAGAGCTACTCAGGACCAAGTTGTTTAAAGAGCTCTGTGTGTGTGT 2100
 Db 2041 AATAAAGAATTTTCAAAAGAGCTACTCAGGACCAAGTTGTTTAAAGAGCTCTGTGTGTGTGT 2100
 Qy 2101 GT 2160
 Db 2101 GT 2160
 Qy 2161 TTAATAAACAAGCATGTTTTCAAAATGGCACTATGAGCTGCCAAATGATGTATCACCACCATAT 2220
 Db 2161 TTAATAAACAAGCATGTTTTCAAAATGGCACTATGAGCTGCCAAATGATGTATCACCACCATAT 2220
 Qy 2221 CTCATTATTTCTCCAGTAAATGTGATTAATATGTCATCTGTTTAACTAAATAAAGAGTTTGAC 2280
 Db 2221 CTCATTATTTCTCCAGTAAATGTGATTAATATGTCATCTGTTTAACTAAATAAAGAGTTTGAC 2280
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 Db 2281 TTACAAAAAGCAGCTGGAATGGAACAACCAATATGCAATATGCAATCTTAACCTCTTACCATCA 2340
 Qy 2341 GCTTACACACTGCTTGACATATATTTAGAACCACTCGCATTTGTGGGTTCTCTTAAAGC 2400
 Db 2341 GCTTACACACTGCTTGACATATATTTAGAACCACTCGCATTTGTGGGTTCTCTTAAAGC 2400
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 Db 2401 AAAATACTTTGCAATAGGTCTCAGCTGGGCTGTGCATCAGGCGTTTGAGAAATATTTCAA 2460
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 Db 2461 TTCTCAGCAGAGCCAGAAATTTGAATTCCTCATCTTTTAGGATCATTTTACCAGGTTG 2520
 Qy 2521 GAGAGATTCAGACAGCTCAGGTGCTTTTCACTAAATGTCCTGAACTCTGTCCTCTCTTTG 2580
 Db 2521 GAGAGATTCAGACAGCTCAGGTGCTTTTCACTAAATGTCCTGAACTCTGTCCTCTCTTTG 2580
 Qy 2581 TGTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA 2640
 Db 2581 TGTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA 2640
 Qy 2641 TAAGAACTCTGAGTGAATCAACATTTAGGATTTCAAGAAATATTTAGTCTTAAAGCTCACA 2700
 Db 2641 TAAGAACTCTGAGTGAATCAACATTTAGGATTTCAAGAAATATTTAGTCTTAAAGCTCACA 2700
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 Db 2701 CTGGTCAAAAGGAACCAAGATCAAAAGAACTCTGAGCTGTCGTCCTCCCATCTCTGTGA 2760
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 Db 2761 GCCAACCAACAGCAGGACCCCAAGCATGTCTGAGATCTTAAATCAAGGAAACCAAGT 2820
 Qy 2821 TCATGATTTGAATTTCTCTTATTTATGATGCTAGCTTCTGCGCATCTCTGCTCTCTCT 2880
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 Qy 2881 GACACATATTTAGCTTCTAGCTTTGCTTCCAGACTTTTATCTTTTCTCTCAACACATCGC 2940
 Db 2881 GACACATATTTAGCTTCTAGCTTTGCTTCCAGACTTTTATCTTTTCTCTCAACACATCGC 2940
 Qy 2941 TTACCAATCT 3000
 Db 2941 TTACCAATCT 3000
 Qy 3001 CAAAGTCTTTTCTTCCATCCCAACCACTAACTGAAT 3036
 Db 3001 CAAAGTCTTTTCTTCCATCCCAACCACTAACTGAAT 3036

RESULT 6					
US-09-439-313-468					
; Sequence 468, Application US/09439313					
; Patent No. 6329505					
; GENERAL INFORMATION:					
; APPLICANT:	Xu, Jiangchun				
; APPLICANT:	Dillon, Davin C.				
; APPLICANT:	Mitcham, Jennifer L..				
; APPLICANT:	Harlocker, Susan Louise				
; APPLICANT:	Jiang Yuqi				
; APPLICANT:	Reed, Steven G.				
; APPLICANT:	Kalos, Michael				
; APPLICANT:	Fanger, Gary				
; APPLICANT:	Rettler, Mark				
; APPLICANT:	Solk, John				
; APPLICANT:	Day, Craig				
; TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THERAPY AND DIAGNOSIS OF PROSTATE CANCER				
; FILE REFERENCE:	210121.427C9				
; CURRENT APPLICATION NUMBER:	US/09/439,313				
; CURRENT FILING DATE:	1999-11-12				
; NUMBER OF SEQ ID NOS:	575				
; SOFTWARE:	FastSeq for Windows Version 3.0				
; SEQ ID NO 468					
; LENGTH:	3112				
; TYPE:	DNA				
; ORGANISM:	Homo sapiens				
US-09-439-313-468					
Query Match 38.1%; Score 1364; DB 3; Length 3112;					
Best Local Similarity 99.8%; Pred.No. 0;					
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;					
Qy	285	GGTGAGAAATAGAAGCGTGCTGCACATTACCATCTGAGGCCACACACTCTGGTGAATGG	344		
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Qy	345	AGATAAATTAACAATCACTAGAAAACAGCAAAGTAGACAATAATAATGTCTAAGTAGTCACATGT	404		
Db	1373	AGATAAATTAACAATCACTAGAAAACAGCAAAGTAGACAATAATAATGTCTAAGTAGTCACATGT	1432		
Qy	405	TTTTGCACATTTCCAGCCCCCTTTAAAAATATCCAACACACAGGAAGCACAAAAGGAAGCAC	464		
Db	1433	TTTTGCACATTTCCAGCCCCCTTTAAAAATATCCAACACACAGGAAGCACAAAAGGAAGCAC	1492		
Qy	465	AGACATCCCTGGGAGAAATCCCGCGCGCCCATCTTTGGGT CATCGATCAGCGCTCGCCCCTGT	524		
Db	1493	AGACATCCCTGGGAGAAATCCCGCGCGCCCATCTTTGGGT CATCGATCAGCGCTCGCCCCTGT	1552		
Qy	525	GCCTGGTCCCGCTTTGTGAGGAAGGACATTAGAAAAATGAAATTGATGTGTTCTTTAAAGGA	584		
Db	1553	GCCTGGTCCCGCTTTGTGAGGAAGGACATTAGAAAAATGAAATTGATGTGTTCTTTAAAGGA	1612		
Qy	585	TGGCAGGAAAAACAGATCCTGTTGTGGATATTATTTTGAACGGGATTACAGATTTGAAAT	644		
Db	1613	TGGCAGGAAAAACAGATCCTGTTGTGGATATTATTTTGAACGGGATTACAGATTTGAAAT	1672		
Qy	645	GMACTCAAAAGTGACGATTAACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	704		
Db	1673	GMACTCAAAAGTGAGCATTAACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	1732		
Qy	705	CACAAGACATGCAACAAACAAAATGGAAATACTGTGTATGACATGAGGCGAACAGCTGGGG	764		
Db	1733	CACAAGACATGCAACAAACAAAATGGAAATACTGTGTATGACATGAGGCGAACAGCTGGGG	1792		
Qy	765	AGGAGATAACCAACGGGCGAGAGGCTCAGGATTCTTGGCCCTTGCTSCCTFAAACTGTGCGCTC	824		
Db	1793	AGGAGATAACCAACGGGCGAGAGGCTCAGGATTCTTGGCCCTTGCTSCCTFAAACTGTGCGCTC	1852		
Qy	825	ATAACCAAATCATTTTCATTTTAAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC	884		

Qy	1364	2991	2024	3051	2023
Db	TTGAGATGTGTTTCTCTTGAGTTAA	TTGAGATGTGTTTCTCTTGAGTTAA	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TTGAGATGTGTTTCTCTTGAGTTAA
Qy	TTGAGATGTGTTTCTCTTGAGTTAA	TTGAGATGTGTTTCTCTTGAGTTAA	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TTGAGATGTGTTTCTCTTGAGTTAA
Db	TTGAGATGTGTTTCTCTTGAGTTAA	TTGAGATGTGTTTCTCTTGAGTTAA	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TAGGGTTCACTCCTGGCAATAAAGAAATTTACAAAGAGC	TTGAGATGTGTTTCTCTTGAGTTAA

RESULT 7

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US-09-352-616A-468
; Sequence 468, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-468

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Query Match	38.1%;	Score 1364;	DB 3;	Length 3112;
Best Local Similarity	59.8%;	Pred. No. 0;		
Matches 1774;	Conservative 0;	Mismatches 1;	Indels 3;	Gaps 3;
QY	285	GGTGAGAAATAAGAAAGCGCTGCTGACATTTTACCACTCTGAGGCCACACATCTGCTGAAATGG	344	
Db	1313	GGTGAGAAATAAGAAAGCGCTGCTGACATTTTACCACTCTGAGGCCACACATCTGCTGAAATGG	1372	
QY	345	AGATAATTAAATCCTCAGTAAAGAACAGCAAGATGCAATATAATGTTCTTAAGTAGTGACATGT	404	
Db	1373	AGATAATTAAATCCTCAGTAAAGAACAGCAAGATGCAATATAATGTTCTTAAGTAGTGACATGT	1432	
QY	405	TTTTGGACATTTCCAGGCCCTTTAAATATCCACACACAGAGGAAGCAAAAAGAGACAC	464	
Db	1433	TTTTGGACATTTCCAGGCCCTTTAAATATCCACACACAGAGGAAGCAAAAAGAGACAC	1492	
QY	465	AGAGATCCCTGGGAGAAATGCCGGCGCCATCTTTGGGTCAATCGATGAGCGCTCGCCCTGT	524	
Db	1493	AGAGATCCCTGGGAGAAATGCCGGCGCCATCTTTGGGTCAATCGATGAGCGCTCGCCCTGT	1552	
QY	525	GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTGATGTGTTCTTTAAAGGA	584	
Db	1553	GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAAATGAATTGATGTGTTCTTTAAAGGA	1612	
QY	585	TGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTGGAACGGGATPACAGATTTGAAAT	644	
Db	1613	TGGCGAGGAAAAACAGATCCCTGTTGTGGATATTTATTGGAACGGGATTTACAGATTTGAAAT	1672	
QY	645	GAAGTCACAAGTGAAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTCATGCGCTT	704	
Db	1673	GAAGTCACAAGTGAAGCATTTACCAATGAGAGGAAAAACAGACAGAAAAATCTTCATGCGCTT	1732	
QY	705	CACAAGACATGCAACAAAAATGGAATATCTGTGATGACATGAGGCAGGCCAAGCTGGGG	764	
Db	1733	CACAAGACATGCAACAAAAATGGAATATCTGTGATGACATGAGGCAGGCCAAGCTGGGG	1792	
QY	765	AGAGATAACACAGGGGCAGAGGTGAGGATTTCTGGCCCTGCTGCTTAATCTGTGGCTTC	824	
Db	1793	AGAGATAACACAGGGGCAGAGGTGAGGATTTCTGGCCCTGCTGCTTAATCTGTGGCTTC	1852	

Qy	825	ATAACCAAAATCATTTTCATATTTCTAAACCCCTCAAACAAGAGTGTGTTAAATATCTGATCTC	884
Db	1853	ATAACCAAAATCATTTTCATATTTCTAAACCCCTCAAACAAGCTGTGTTAAATATCTGATCTC	1912
Qy	885	TACGGTTCCCTTCTGGGCCCAACATTCTCCATATATCCAGGCACACTCATTTTTTAATAATTT	944
Db	1913	TACGGTTCCCTTCTGGGCCCAACATTCTCCATATATTCGCGCACACTCATTTTTTAATAATTT	1972
Qy	945	AGTTCCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTTGTTTC	1004
Db	1973	AGTTCCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTACTCATTTTGTTTC	2032
Qy	1005	AAAGACCCTTCGTGTTGCTGCTGAATATGATGAGTGCATGTTTTTCTTAAGGAGTGTCTG	1064
Db	2033	AAAGACCCTTCGTGTTGCTGCTGAATATGATGAGTGCATGTTTTTCTTAAGGAGTGTCTG	2092
Qy	1065	GCCCAGGGGATCTGTGAACAGGCTGGGAAGCACTCAAGATCTTTCCAGGGTTATACTTA	1124
Db	2093	GCCCAGGGGATCTGTGAACAGGCTGGGAAGCACTCAAGATCTTTCCAGGGTTATACTTA	2152
Qy	1125	CTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCATCCTCAGTGTCT	1184
Db	2153	CTAGCACACAGCATGATCATTTACGGAGTGAATATCTAATCAACATCATCCTCAGTGTCT	2212
Qy	1185	TTGGCCAATGCTGAAATTCATTTCCCACTTTTGTGGCCCATTTCTCAAGACCTCAAAAATGTC	1244
Db	2213	TTGGCCAATGCTGAAATTCATTTCCCACTTTTGTGGCCCATTTCTCAAGACCTCAAAAATGTC	2272
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Db	2273	TTCCATTAATATCACAGGATTAATTTTAAAACTTAACTCGGAAGATTCATCTTACATG	2332
Qy	1305	CAGCTATGGGAATTAATTAACATATTTGTGTTTCCAGTGC AAAAGATGACTTAAGTCCCTTA	1364
Db	2333	CAGCTATGGGAATTAATTAACATATTTGTGTTTCCAGTGC AAAAGATGACTTAAGTCCCTTA	2392
Qy	1365	TCCCTCCCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAAGCTTAGCCTTGTA CTG	1424
Db	2393	TCCCTCCCCCTTTGTTGATTTTTTTTCCAGTATAAAGTTAAAAAGCTTAGCCTTGTA CTG	2452
Qy	1425	AGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGT CATCACCATCAA	1483
Db	2453	AGGCTGTATACAGCCACAGCCTCTCCCATCCCTCCAGCCTTATCTGT CATCACCATCAA	2512
Qy	1484	CCCCTCCCATACCACTTAAACAAAATCTAACTTGTAAATCTTTGAA CATGT CAGGACATA	1543
Db	2513	CCCCTCCCAT-GCACCTTAACAAAATCTAACTTGTAAATCTTTGAA CATGT CAGG-CATA	2570
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Db	2571	CATTATTCCTTCGCTGAGAACCTCTTCCTGTCTCTTAAATCTAAGATGATGATAAGT	2630
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Db	2631	TTTTGAATAAGTTGACTATCTTACTTCATGCAAGAAGGGACACATATGAGATTCATCATC	2690
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Db	2691	ACATGACACAGCAAACTACTAAAAAGTGTAAATTCATTAATAAGAGTTTAGATAAATATATGA	2750
Qy	1724	AATGCAAGGCCACAGAGGAAATGTTTATGGGCACGTTTGTAAAGCCTGGAGTGAAGC	1783
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Qy	1904	CATTTTCATGTGAGTGCCTTTTAAAGATTTTGGCAAAATCATACTGGTCACTTATCTCAACT	1963


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Db 2991 TTGAGATGTTTGTCTCTGTAGTAAATGCAAGAAATAGGCACTTGTGAGCCACTT 3050
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Db 3051 TAGGTTCACTCTCTGGCAATAGAAATTTTACAAAGAGC 3088
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RESULT 9

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US-09-685-166A-468
; Sequence 468, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685.166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-468
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Query Match 38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

QY 285 GGTGAGAAATAGAAAGGCTGTGACCTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
Db 1313 GGTGAGAAATAGAAAGGCTGTGACCTTACCATCTGAGGCCACACATCTGCTGAAATGG 1372
QY 345 AGATAATTACATCACTAGAAAACAGCAAGATGACATATATCTTAAGTAGTGACATGT 404
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Db 2093 GCCCAGGGATCTGTCAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA 2152
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QY 1484 CCCTCCCATACCCACCTAAACAAATCTAACTTTGTAATTTCTTTGAAACATGTGAGGACATA 1543
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Db 3051 TAGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGAGC 3088

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RESULT 10

US-09-679-426-468
 ; Sequence 468, Application US/09679426
 ; Patent No. 6759515

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yuqui
 APPLICANT: Henderson, Robert A.
 APPLICANT: Kalos, Michael D.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolk, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedvick, Thomas S.
 APPLICANT: Carter, Darriek
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Hepler, William

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

FILE REFERENCE: 210121.427C20

CURRENT APPLICATION NUMBER: US/09/679, 426

CURRENT FILING DATE: 2000-10-02

NUMBER OF SEQ ID NOS: 895

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 468

LENGTH: 3112

TYPE: DNA

ORGANISM: Homo sapiens

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Query Match      38.1%; Score 1364; DB 4; Length 3112;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

Qy 285 GGTGGAATAAAGAAGGCTGCTGATCTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
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Qy 945 AGTTCCACAGATCTGTACTGTGACCTTTCTACTGTAGATAAATCACTTCTCAATTTGTTTC 1004
Db 1973 AGTTCCACAGATCTGTACTGTGACCTTTCTACTGTAGATAAATCACTTCTCAATTTGTTTC 2032
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2931 CATTTCATGCTGAGTGGCTTTTGAATTTTGGCAATCTACTGCTGCTCACTTATCTCACT 2990

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2991 TTGAGATGTTTGTCTCTTGTAGTTAATTAAGAAATAGGCACCTCTTGTGAGCCACTT 3050
QY 2024 TAGGGTTCACTCTCTGCAATTAAGAATTTACAAAGAGC 2061
Db |||||
3051 TAGGGTTCACTCTCTGCAATTAAGAATTTACAAAGAGC 3088
RESULT 13
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470
Query Match 37.9%; Score 1357; DB 3; Length 2426;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 1; Indels 3; Gaps 3;
QY 285 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
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; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqin
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
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OM nucleic - nucleic search, using sw model

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Minimum DB seq length: 0

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Post-processing: Listing first 45 summaries

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- 22: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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4	3036	84.8	3923	9	US-09-895-793-690
5	3036	84.8	3923	9	US-09-895-814-690
6	3036	84.8	3923	13	US-10-012-896-690
7	3036	84.8	3923	15	US-10-205-823-316
8	3036	84.8	3923	16	US-10-144-678A-690
9	3036	84.8	3923	16	US-10-294-025-690
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19	1364	38.1	3112	9	US-09-759-143-470	Sequence 470, App
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ALIGNMENTS

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; Sequence 690, Application US/09759143
; Patent No. US20020022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqun
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang Aijun
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690

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2401 AAAATACTTGGCAATTAGGCTCTCAGCTGGGCTGTGATCAGGCGGTTTGAGAAATATTC 2460
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RESULT 3
 US-09-822-827-690
 ; Sequence 690, Application US/09822827
 ; Patent No. US20020081680A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121-534C1
 ; CURRENT APPLICATION NUMBER: US/09/822, 827
 ; CURRENT FILING DATE: 2001-03-28
 ; NUMBER OF SEQ ID NOS: 982
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-822-827-690

Query Match 84.8%; Score 3036; DB 9; Length 3923;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5

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US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.

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; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-895-814-690

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Query Match      84.8%; Score 3036; DB 9; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 121 GAATTACAAACATATATCTAGTGTCTCAATGAAACACCAAGATAAATAGTGAAGAGCTA 180
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Db	1021	GCTGCCTAATATGATAGCTGAC	TGTTTTTCTTAAGAGGTGTTCTGGCCAGGAGATCTGTG	1080	
Qy	1081	AACAGGCTGGGAAGCATCTCAAGATCTTTCCAG	GGTTATCTTACTTAGCACACAGCATGA	1140	
Db	1081	AACAGGCTGGGAAGCATCTCAAGATCTTTCCAG	GGTTATCTTACTTAGCACACAGCATGA	1140	
Qy	1141	TCATTAACGGAGTGAATATCTAAATCAACATCAT	CTCTCAGTGTCTTTTGCCCATCTGAAAT	1200	
Db	1141	TCATTAACGGAGTGAATATCTAAATCAACATCAT	CTCTCAGTGTCTTTTGCCCATCTGAAAT	1200	
Qy	1201	TCATTTTCCCATCTTTTGTGCCATCTCAAGACCT	CAAAATGTCAATCCAATTAATCAACA	1260	
Db	1201	TCATTTTCCCATCTTTTGTGCCATCTCAAGACCT	CAAAATGTCAATCCAATTAATCAACA	1260	
Qy	1261	GGATTAACCTTTTTTTTTTAACTCGGAGAAATCA	ATGTTACATGCAGCTATGGGAATTTA	1320	
Db	1261	GGATTAACCTTTTTTTTTTAACTCGGAGAAATCA	ATGTTACATGCAGCTATGGGAATTTA	1320	
Qy	1321	ATTACATATTTTGTTTTCCAGTGCAAGATGACTA	AGTCCCTTTATCCCTCCCTTCGTGTT	1380	
Db	1321	ATTACATATTTTGTTTTCCAGTGCAAGATGACTA	AGTCCCTTTATCCCTCCCTTCGTGTT	1380	
Qy	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAG	CCCTTGTACTCAGGCTGTATACAGCAC	1440	
Db	1381	GATTTTTTTTCCAGTATAAAGTTAAATGCTTTAG	CCCTTGTACTCAGGCTGTATACAGCAC	1440	
Qy	1441	AGCCTCTCCCCATCCCTCCAGCCTTATCTGTCA	TCCATCAACCCCTCCCATACCACT	1500	
Db	1441	AGCCTCTCCCCATCCCTCCAGCCTTATCTGTCA	TCCATCAACCCCTCCCATACCACT	1500	
Qy	1501	AAACAAAATCTAACTTGTTAAATTCCTTTGAA	CATGTCCAGGACATACATTTTCTCTGCT	1560	
Db	1501	AAACAAAATCTAACTTGTTAAATTCCTTTGAA	CATGTCCAGGACATACATTTTCTCTGCT	1560	
Qy	1561	GAGAAGCTCTTCTTGCTCTTTAAATCTPAGAA	TGATGTAAAGTTTGAATAGTTGACTA	1620	
Db	1561	GAGAAGCTCTTCTTGCTCTTTAAATCTPAGAA	TGATGTAAAGTTTGAATAGTTGACTA	1620	
Qy	1621	TCCTTACTTCGCAAGAGGGACACATATGAGATT	CATCATCATGAGNACAGCAATA	1680	
Db	1621	TCCTTACTTCGCAAGAGGGACACATATGAGATT	CATCATCATGAGNACAGCAATA	1680	
Qy	1681	CTAAAAAGTGAATTTGATTTAAAGTGTTAGATA	AAATATATGAAATGCAAGAGCCACAGA	1740	
Db	1681	CTAAAAAGTGAATTTGATTTAAAGTGTTAGATA	AAATATATGAAATGCAAGAGCCACAGA	1740	
Qy	1741	GGGAATGTTTATGGGGCAGCTTTGTGAAGCC	TGGGATGTGAAGCAAGGCAAGGCAAGCTCA	1800	

Db	1741		GGGAATGTTTATGGGGCAGCGTTTGTAAGCCCTGGGATGTGAAGCAAGGCGAGGGAACCTCA	1800
Qy	1801	TAGTATCTTATATAATATACATTCAATTTCTCTATCTCTATCACAAATATCCAAACAAGCTTTT		1860
Db	1801	TAGTATCTTATATAATATACATTCAATTTCTCTATCTCTATCACAAATATCCAAACAAGCTTTT		1860
Qy	1861	CACAGAAATTCATGCAGTGCAAAATCCCAAAGGTAAACCTTTATCCATTTCAATGGTGAGTGC	1920	
Db	1861	CACAGAAATTCATGCAGTGCAAAATCCCAAAGGTAAACCTTTATCCATTTCAATGGTGAGTGC	1920	
Qy	1921	GCITTAGAAATTTGGGCAAAATCATCTGGTCACTTAATCTCAACTTGGAGATGTGTTGTGTC	1980	
Db	1921	GCITTAGAAATTTGGGCAAAATCATCTGGTCACTTAATCTCAACTTGGAGATGTGTTGTGTC	1980	
Qy	1981	TTGTAGTTTAAATGGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCCTGGC	2040	
Db	1981	TTGTAGTTTAAATGGAAGAAATAGGGCACTCTTGTGAGCCACTTTTAGGGTTCACTCCCTGGC	2040	
Qy	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCCAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100	
Db	2041	AATAAGAAATTTACAAAGAGCTACTCAGGACCCAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100	
Qy	2101	GTGTGTGTGAGTGATCATGCCCCAAGTGTGCCCTCTCTCTTTGACCCCATTTATTTCAGAC	2160	
Db	2101	GTGTGTGTGAGTGATCATGCCCCAAGTGTGCCCTCTCTCTTTGACCCCATTTATTTCAGAC	2160	
Qy	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCAACCATAT	2220	
Db	2161	TTAAAAACAAGCATGTTTTTCAAATGGCACTATGAGCTGCCAATGATGATCACCAACCATAT	2220	
Qy	2221	CTCATTTCTCCAGTAAATGTGATAATAATGTCACTGTGTTAAACATAAAAAAGTTTGAC	2280	
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Qy	2281	TTCAAAAAGCAGCTGGAATGACAACCAACAATATGCATAAATCTAACTCTTACCATCA	2340	
Db	2281	TTCAAAAAGCAGCTGGAATGACAACCAACAATATGCATAAATCTAACTCTTACCATCA	2340	
Qy	2341	GCATACACTGCTTGACATATATTTGTAGAAGCACCTCGCATTTGTGGGTTCTCTTAAGC	2400	
Db	2341	GCATACACTGCTTGACATATATTTGTAGAAGCACCTCGCATTTGTGGGTTCTCTTAAGC	2400	
Qy	2401	AAATACTTGCATTTAGTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460	
Db	2401	AAATACTTGCATTTAGTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460	
Qy	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG	2520	
Db	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCATCTTTTAGGAATCATTTACAGGTTTG	2520	
Qy	2521	GAGAGGAATCAGACAGCTCAGGTGCTTTCACTAATGTCTCTGAACTTCTGCTCCCTCTTG	2580	
Db	2521	GAGAGGAATCAGACAGCTCAGGTGCTTTCACTAATGTCTCTGAACTTCTGCTCCCTCTTG	2580	
Qy	2581	TGTTCTAGGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA	2640	
Db	2581	TGTTCTAGGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAATA	2640	
Qy	2641	TAAGAACTCTGAGTGATATCAACATTAGGGAATTCAAAGAAATATTAGATTAAAGCTCACA	2700	
Db	2641	TAAGAACTCTGAGTGATATCAACATTAGGGAATTCAAAGAAATATTAGATTAAAGCTCACA	2700	
Qy	2701	CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCACTGCTCCCATCTCTGTGA	2760	
Db	2701	CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCACTGCTCCCATCTCTGTGA	2760	
Qy	2761	GCCACAAACCAACAGCAGACCCCAACGATGTCTGAGATCCTTAAATCAAGGAACCAAGTG	2820	
Db	2761	GCCACAAACCAACAGCAGACCCCAACGATGTCTGAGATCCTTAAATCAAGGAACCAAGTG	2820	
Qy	2821	TCATGAGTTGAAATTTCTCTTATTATGAGTGTAGCTTCTGGGCAATCTCTGGCTCTCTCTT	2880	

Db 2821 TCATGAGTTGAATCTCTCTATTATGATGCTAGCTTCTGGCCATCTCTGGCTCTCTCTT 2880
Qy 2881 GACACATATAGCTTCTAGGCTTTGCTTCCAGGACTTTTATCTTTCTCCACACATCGC 2940
Db 2881 GACACATATAGCTTCTAGGCTTTGCTTCCAGGACTTTTATCTTTCTCCACACATCGC 2940
Qy 2941 TTACCAATCTCTCTCTGCTCTCTGCTTTGGACTTTCCACAGAAATTTCAACGACTCT 3000
Db 2941 TTACCAATCTCTCTCTGCTCTCTGCTTTGGACTTTCCACAGAAATTTCAACGACTCT 3000
Qy 3001 CAACTCTTTTCTCCATCCCAACCACTAACTGAAT 3036
Db 3001 CAACTCTTTTCTCCATCCCAACCACTAACTGAAT 3036

RESULT 6

US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1

GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-012-896-690

Query Match 84.8%; Score 3036; DB 13; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 ACAGAGAATAGCAAGTCCGAGAGCTGGCATCAGAAAACAGAGGGGAGATTGTGT 60
Qy 61 GGCTGACCGCGAGGAGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
Db 61 GGCTGACCGCGAGGAGACAGGAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAG 120
Qy 121 GAATTACACATATATCTAGTGTTCATGAAACCAAGATAAATAGTGAAGACTTA 180
Db 121 GAATTACACATATATCTAGTGTTCATGAAACCAAGATAAATAGTGAAGACTTA 180

Qy 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGTAG 240
Db 181 GTCCGCTGTGAGTCTCTCAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGTAG 240
Qy 241 TACTCAGTGCACGAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
Db 241 TACTCAGTGCACGAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAGAAA 300
Qy 301 GGCTGCTGACTTTTACCATCTGAGGCCACACATCTCTGTAATGGAGATTAATTAACATCAC 360
Db 301 GGCTGCTGACTTTTACCATCTGAGGCCACACATCTCTGTAATGGAGATTAATTAACATCAC 360
Qy 361 TAGAAACAGCAAGATCAATAATATGCTAAGTAGTGACATGTTTTTGGACATTTCCAG 420
Db 361 TAGAAACAGCAAGATCAATAATATGCTAAGTAGTGACATGTTTTTGGACATTTCCAG 420
Qy 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAAGGAAGCACAGAGATCCCTGGGAGA 480
Db 421 CCCCTTTAAATATCCACACACACAGGAAGCAAAAAGGAAGCACAGAGATCCCTGGGAGA 480
Qy 481 AATGCCCGCGCCGCTCTGGGTCTCGATGAGCCCTCGCCCTGTGCTGCTCCCGTCTGT 540
Db 481 AATGCCCGCGCCGCTCTGGGTCTCGATGAGCCCTCGCCCTGTGCTGCTCCCGTCTGT 540
Qy 541 GAGGGAAGGACATTTAGAAAATGAAATTTGATGTTTCTTTAAAGGATGGGAGGAAACAGA 600
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Qy 601 TCCTGTTGGATATTTTGAACGGGATACAGATTTGAAATGAAGTCAACAAGTGAAG 660
Db 601 TCCTGTTGGATATTTTGAACGGGATACAGATTTGAAATGAAGTCAACAAGTGAAG 660
Qy 661 CATTACCAATGAGAGGAAACAGAGAGAAAATCTTGATGGCTTCAACAAGACATGCAACA 720
Db 661 CATTACCAATGAGAGGAAACAGAGAGAAAATCTTGATGGCTTCAACAAGACATGCAACA 720
Qy 721 AAAAAATGGAATACCTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
Db 721 AAAAAATGGAATACCTGATGATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 780
Qy 781 GAGAGGGTCAAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Db 781 GAGAGGGTCAAGATTTGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
Qy 841 ATATTCTTAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGG 900
Db 841 ATATTCTTAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGG 900
Qy 901 CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCACAGATCTGTA 960
Db 901 CCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATATTTAGTTCACAGATCTGTA 960
Qy 961 CTGTGACCTTTCTACACTGATAGAAATAAATTAATTAATTAATTAATTAATTAATTAAT 1020
Db 961 CTGTGACCTTTCTACACTGATAGAAATAAATTAATTAATTAATTAATTAATTAATTAAT 1020
Qy 1021 GCTGCTAATATGATGCTGACTGTTTCTTAAGGAGTCTCTGCGCCAGGGGATCTGTG 1080
Db 1021 GCTGCTAATATGATGCTGACTGTTTCTTAAGGAGTCTCTGCGCCAGGGGATCTGTG 1080
Qy 1081 AACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATATCTTACTAGCACACAGCATGA 1140
Db 1081 AACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATATCTTACTAGCACACAGCATGA 1140
Qy 1141 TCATTACGAGTGAATTAATTAATCAACATCTCTCAAGCTCAAAATGTCAATTCATTAATATCA 1200
Db 1141 TCATTACGAGTGAATTAATTAATCAACATCTCTCAAGCTCAAAATGTCAATTCATTAATATCA 1200
Qy 1201 TCATTTCACCTTTTGTGCGCCATTTCTCAAGACTCAAAATGTCAATTCATTAATATCA 1260
Db 1201 TCATTTCACCTTTTGTGCGCCATTTCTCAAGACTCAAAATGTCAATTCATTAATATCA 1260
Qy 1261 GGATTAACCTTTTTTTTTTAAACCTGGAGAAATTCATGTTTACATGACAGCTATGGGAATTTA 1320

1261 GGAATTAACCTTTTAACTCGGAGAAATTCAAATGTTACATCGAGCTATGGGAATTTA 1320
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1321 ATTACATATTTTCTTTTCCAGTGCAGAGATGACTTAAGTGCCTTTATCCCTCCCTTTGTTT 1380
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2401 AAAATACTTTGCAATTAGGCTCTGAGCTGGGCTGTGCAATCAGGCGGTTTGAGAAATATTCAA 2460
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3001 CAAGTCTTTTCTTCCATCCCACTAACTGAAAT 3036
3001 CAAGTCTTTTCTTCCATCCCACTAACTGAAAT 3036

RESULT 7
US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Wonsley, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22

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; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-316

Query Match      84.8%; Score 3036; DB 15; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
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Db 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60

QY 61 GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTCATGATACAGAG 120
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Db 61 GGCTGAGCGGAGGAGACAGGAAGATCTGCATGTGGGAAGGACCTCATGATACAGAG 120

QY 121 GAATTACACACATATACCTTAGTGTTCATGNAACCAAGATAAATAGTGAAGCTTA 180
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Db 121 GAATTACACACATATACCTTAGTGTTCATGNAACCAAGATAAATAGTGAAGCTTA 180

QY 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGTAG 240
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Db 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGACGGCCTTTCTGTAG 240

QY 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA 300
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Db 241 TACTCAGTGCAGAAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAGAAA 300

QY 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATAATTAACATCAC 360
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Db 301 GGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGGAGATAATTAACATCAC 360

QY 361 TAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGTTTTTGACATTTCCAG 420
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Db 361 TAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGTTTTTGACATTTCCAG 420

QY 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAACAGATATCCCTGGGAGA 480
   |||||
Db 421 CCCCTTTAAATATCCACACACAGGAAGCAAAAAGGAAGCAACAGATATCCCTGGGAGA 480

QY 481 AATGCCCGCGCCATCTTTGGGTCAATCGATGAGCCCTGCGCTGCTGCTGCTGCTGCTGCT 540
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QY 541 GAGGGAAGGACATTAGAAAATGAATGTGTGTTCTTAAAGGATGGGAGGAGAAAACAGA 600
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Db 541 GAGGGAAGGACATTAGAAAATGAATGTGTGTTCTTAAAGGATGGGAGGAGAAAACAGA 600

QY 601 TCCGTGTGTGATTTATTTGAAACCGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660
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Db 601 TCCGTGTGTGATTTATTTGAAACCGGATTTACAGATTTGAAATGAAGTCAAAAGTGAG 660

QY 661 CATTACCAATGAGAGAAACACAGCAAGAAATCTTGATGGCTTTCACAGACATGCAACA 720
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Db 661 CATTACCAATGAGAGAAACACAGCAAGAAATCTTGATGGCTTTCACAGACATGCAACA 720

QY 721 AACAAAATGGAATACCTGTGATGACATGAGCAGCCCAAGCTGGGGAGGAGATAACACGGG 780
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Db 721 AACAAAATGGAATACCTGTGATGACATGAGCAGCCCAAGCTGGGGAGGAGATAACACGGG 780

QY 781 GCAGAGGGTCAGGATTCGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
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Db 781 GCAGAGGGTCAGGATTCGCGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
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QY 1921 GCTTTAGAAATTTGGCAAAATCATCTGGTCACTTATCTCAACTTTGAGATGTGTTGTCC 1980
Db 1921 GCTTTAGAAATTTGGCAAAATCATCTGGTCACTTATCTCAACTTTGAGATGTGTTGTCC 1980
QY 1981 TTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCCTGGC 2040
Db 1981 TTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTTAGGGTTCACTCCCTGGC 2040
QY 2041 AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTGTGTTAAGAGCTCTGTGTGTGTGT 2100
Db 2041 AATAAGAAATTTACAAAGAGCTACTCAGGACCAAGTGTGTTAAGAGCTCTGTGTGTGTGT 2100
QY 2101 GTGTGTGTGAGTGTATCGCCAAAGTGTGCTCTCTCTCTTGAGCCACTTTAGGGTTCACTCCCTGGC 2160
Db 2101 GTGTGTGTGAGTGTATCGCCAAAGTGTGCTCTCTCTCTTGAGCCACTTTAGGGTTCACTCCCTGGC 2160
QY 2161 TTAACAACAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCATCACCACCATAT 2220
Db 2161 TTAACAACAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCATCACCACCATAT 2220
QY 2221 CTCATTATCTCCAGTAAATGTGATATAATGTCATCTGTTAACTATAAAAAAGTTTGAC 2280
Db 2221 CTCATTATCTCCAGTAAATGTGATATAATGTCATCTGTTAACTATAAAAAAGTTTGAC 2280
QY 2281 TTAACAACAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCATCACCACCATAT 2340
Db 2281 TTAACAACAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCATCACCACCATAT 2340
QY 2341 GCTACACACTGCTGACATATATGTTAGAGCACTCGCATTTGGGTTCTCTTAAGC 2400
Db 2341 GCTACACACTGCTGACATATATGTTAGAGCACTCGCATTTGGGTTCTCTTAAGC 2400
QY 2401 AAAATACTTTCAGTATGCTCAGCTGGGGTGTGTCATCGAGCGGTTTGAGAAATATTCAA 2460
Db 2401 AAAATACTTTCAGTATGCTCAGCTGGGGTGTGTCATCGAGCGGTTTGAGAAATATTCAA 2460
QY 2461 TTCTCAGCAGAACGCAATTTGAAATTCCTCATCTTTAGGAATCAATTTACCAGGTTTG 2520
Db 2461 TTCTCAGCAGAACGCAATTTGAAATTCCTCATCTTTAGGAATCAATTTACCAGGTTTG 2520
QY 2521 GAGAGGATTCAGACAGCTCAGGTGCTTCACTAATGTCCTGACCTCTGTCCTCTTTTG 2580
Db 2521 GAGAGGATTCAGACAGCTCAGGTGCTTCACTAATGTCCTGACCTCTGTCCTCTTTTG 2580
QY 2581 TGTTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAAATA 2640
Db 2581 TGTTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAAATA 2640
QY 2641 TAAGAACTCTGAGTGATATCAACATTAGGATTCAAAGAAATATTTAGATTTAAGCTCACA 2700
Db 2641 TAAGAACTCTGAGTGATATCAACATTAGGATTCAAAGAAATATTTAGATTTAAGCTCACA 2700
QY 2701 CTGGTCARAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA 2760
Db 2701 CTGGTCARAAGAACCAAGATACAAAGAACTCTGAGCTGTCATCGTCCCATCTCTGTGA 2760
QY 2761 GCCACAACCAACAGCAGGACCCCAACGATGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820
Db 2761 GCCACAACCAACAGCAGGACCCCAACGATGCTCTGAGATCCTTAAATCAAGGAAACCAAGTG 2820
QY 2821 TCATGAGTTGAAATTCCTATTTAGATGCTAGCTTTGAGGATCTCTGAGCTCTCTCTCTT 2880
Db 2821 TCATGAGTTGAAATTCCTATTTAGATGCTAGCTTTGAGGATCTCTGAGCTCTCTCTCTT 2880
QY 2881 GACACATATTTAGCTTTAGCTTTGCTTCCAGACTTTTATCTTTTCTCCAAACATCGC 2940
Db 2881 GACACATATTTAGCTTTAGCTTTGCTTCCAGACTTTTATCTTTTCTCCAAACATCGC 2940
QY 2941 TTACCAATCTCTCTCTGCTCTGTTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000
Db 2941 TTACCAATCTCTCTCTGCTCTGTTGCTTTGGACTTCCCAAGAAATTTCAACGACTCT 3000
QY 3001 CAAGTCTTTTCTTCCATCCCACTAACCTGAAT 3036

Db 3001 CAAGTCTTTTCTTCCATCCCACTAACCTGAAT 3036
RESULT 8
US-10-144-678A-690
; Sequence 690, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Devin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144,678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690
Query Match 84.8%; Score 3036; DB 16; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGT 60
Db 1 ACAGAGAAATAGCAAGTCCGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGT 60
QY 61 GGCTCAGCCGAGGGAGACACAGGAAGATCTGCATGTGTGGGAAGGACCTGTATGATACAGAG 120
Db 61 GGCTCAGCCGAGGGAGACACAGGAAGATCTGCATGTGTGGGAAGGACCTGTATGATACAGAG 120
QY 121 GAATTAACAACATATATCTACTAGTGTGATGTTTCAATGACACCAAGATAAATAGTGAAGACTA 180
Db 121 GAATTAACAACATATATCTACTAGTGTGATGTTTCAATGACACCAAGATAAATAGTGAAGACTA 180
QY 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGAGGGGACCTTTCTGAG 240
Db 181 GTCCGCTGTGAGTCTCCTCAGTGACACAGGGCTGGATCACCATCGAGGGGACCTTTCTGAG 240
QY 241 TACTCAGTCAGCAAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
Db 241 TACTCAGTCAGCAAAAGAAAGACTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAA 300
QY 301 GGCTGCTGATTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360
Db 301 GGCTGCTGATTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATTAATTAACATCAC 360

Qy	361	TAGAAACAGCAAGATGACAAATATAATGCTCTAAGTAGTGACATGTTTTTGACATTTCCAG	420
Db	361		
Qy	421	TAGAAACAGCAAGATGACAAATATAATGCTCTAAGTAGTGACATGTTTTTGACATTTCCAG	480
Db	421		
Qy	481	CCCTTTAAATATCCACACACACAGGAAGACAAAAGGAAGACACAGAGATCCCTCGGAGA	540
Db	481		
Qy	541	CCCTTTAAATATCCACACACAGGAAGACAAAAGGAAGACACAGAGATCCCTCGGAGA	600
Db	541		
Qy	601	AATGCCCGCGCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGTGCTCGCGTGT	660
Db	601		
Qy	661	AATGCCCGCGCCATCTTGGGTATCGATGAGCCTCGCCCTGTGCTGTGCTCGCGTGT	720
Db	661		
Qy	721	GAGGGAAGGACATPAGAAAAATGAATGTGTTTCTTAAAGGATGGCAGGAAAAACAGA	780
Db	721		
Qy	781	GAGGGAAGGACATPAGAAAAATGAATGTGTTTCTTAAAGGATGGCAGGAAAAACAGA	840
Db	781		
Qy	841	TCCGTGTTGTGATATTTATTTGAACGGGATTCACAGATTTGAAATGAAGTCACAAAGTGAG	900
Db	841		
Qy	901	TCCGTGTTGTGATATTTATTTGAACGGGATTCACAGATTTGAAATGAAGTCACAAAGTGAG	960
Db	901		
Qy	961	CATTACCAATGAGAGGAAAAACAGACGAGAAAACTCTGTGCTTCAACAGCATGCAACA	1020
Db	961		
Qy	1021	CATTACCAATGAGAGGAAAAACAGACGAGAAAACTCTGTGCTTCAACAGCATGCAACA	1080
Db	1021		
Qy	1081	AACAAAATGGAATACTGTGTGATGACATGAGCGCCAGCTGGGAGGAGATACACAGGG	1140
Db	1081		
Qy	1141	AACAAAATGGAATACTGTGTGATGACATGAGCGCCAGCTGGGAGGAGATACACAGGG	1200
Db	1141		
Qy	1201	ATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTCTGGG	1260
Db	1201		
Qy	1261	ATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTCTGGG	1320
Db	1261		
Qy	1321	ATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTCTGGG	1380
Db	1321		
Qy	1381	ATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATCTGATCTCTACGGTTCCTCTGGG	1440
Db	1381		

Qy	1441	AGCCTCTCCCAATCCCTCCAGCCCTTATCTGTCTCATCAGCAATCAACCCCTCCCATACCACCT	1500
Db	1441	AGCCTCTCCCAATCCCTCCAGCCCTTATCTGTCTCATCAGCAATCAACCCCTCCCATACCACCT	1500
Qy	1501	AAACAAAATCTAACTTGTAAATTCCTTGAACATGCTCAGGACATACATATTTCTTCTTCGCCCT	1560
Db	1501	AAACAAAATCTAACTTGTAAATTCCTTGAACATGCTCAGGACATACATATTTCTTCTTCGCCCT	1560
Qy	1561	GAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTTTTTGAATTAAGTTGACATA	1620
Db	1561	GAGAAGCTCTTCCTTGTCTCTTAAATCTAGAATGATGTAAAGTTTTTGAATTAAGTTGACATA	1620
Qy	1621	TCTTATCTTCATGCAAAAGAGGGACATATGAGATTCATCNCACATGAGACAGCAAAATA	1680
Db	1621	TCTTATCTTCATGCAAAAGAGGGACATATGAGATTCATCNCACATGAGACAGCAAAATA	1680
Qy	1681	CTAAAAAGTGTAAATTTGATATATAGAGTTTTAGATAAAATATATGAAATGCAAGGCCACAGA	1740
Db	1681	CTAAAAAGTGTAAATTTGATATATAGAGTTTTAGATAAAATATATGAAATGCAAGGCCACAGA	1740
Qy	1741	GGGAATGTTTTATGGGGCACGTTTTGTAAGCCTGGGATGTGAAGCAAAAGCGCAGGAACCTCA	1800
Db	1741	GGGAATGTTTTATGGGGCACGTTTTGTAAGCCTGGGATGTGAAGCAAAAGCGCAGGAACCTCA	1800
Qy	1801	TAGTATCTTATATAATATCTTCATTTCTCTATCTCTATCACAAATATCCAAACAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATCTTCATTTCTCTATCTCTATCACAAATATCCAAACAAGCTTTT	1860
Qy	1861	CACAGAATTCATGCAGTGCAGAAATCCCAAAGGTAACCTTTATCCATTTCATGTGTAGTGC	1920
Db	1861	CACAGAATTCATGCAGTGCAGAAATCCCAAAGGTAACCTTTATCCATTTCATGTGTAGTGC	1920
Qy	1921	GCCTTAGAATTTTGGCAAAATCATCTGTCACCTTATCTCAACTTTCAGATGCTTTGTGTC	1980
Db	1921	GCCTTAGAATTTTGGCAAAATCATCTGTCACCTTATCTCAACTTTCAGATGCTTTGTGTC	1980
Qy	1981	TTGTAGTGAATTCGAAAAGAAATAGGGCACCTTGTGAGCCACTTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAGTGAATTCGAAAAGAAATAGGGCACCTTGTGAGCCACTTTTAGGGTTCACTCCTGGC	2040
Qy	2041	AATAAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100
Db	2041	AATAAAGAAATTTACAAAGAGCTACTCAGGACAGTTGTTAAGAGCTCTGTGTGTGTGTGT	2100
Qy	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCCCTCTCTCTTGACCCTATTTTCAGAC	2160
Db	2101	GTGTGTGTGTGAGTGTACATGCCAAAGTGTGCCCTCTCTCTTGACCCTATTTTCAGAC	2160
Qy	2161	TTAAAAACAGCATGTTTTCAAATGGCACTATAGAGCTGGCAATGATGTATCACCAATAT	2220
Db	2161	TTAAAAACAGCATGTTTTCAAATGGCACTATAGAGCTGGCAATGATGTATCACCAATAT	2220
Qy	2221	CTCATTTATCTCCAGTAAATGTCATAATATGTCATCTGTGTAAACATATAAAAAAGTTTGAC	2280
Db	2221	CTCATTTATCTCCAGTAAATGTCATAATATGTCATCTGTGTAAACATATAAAAAAGTTTGAC	2280
Qy	2281	TTCAAAAAAGCAGCTGGAATGGACAACCAACAATATGCATAAAATCTAACTCTTACCATCA	2340
Db	2281	TTCAAAAAAGCAGCTGGAATGGACAACCAACAACAATATGCATAAAATCTAACTCTTACCATCA	2340
Qy	2341	GCTTACACATGCTTGACATATATTTGTAGNAGCACCTCCGATTTTGGGTTCTCTTAAAGC	2400
Db	2341	GCTTACACATGCTTGACATATATTTGTAGNAGCACCTCCGATTTTGGGTTCTCTTAAAGC	2400
Qy	2401	AAAATCTTGCATTAGTCTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Db	2401	AAAATCTTGCATTAGTCTCTCAGCTGGGGCTGTGCATCAGGCGGTTTGAGAAATATTCAA	2460
Qy	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCTCATCTTTTAGGAATCATTTTACAGGTTTG	2520
Db	2461	TTCTCAGCAGAGCCAGAAATTTGAAATTCCTCTCATCTTTTAGGAATCATTTTACAGGTTTG	2520
Qy	2521	GAGAGATTCAGACAGCTCAGGTTGCTTTTCACTAATGTCTCTGAACTCTGTGCCCTCTTTG	2580

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Db 2521 |||||GAGAGGATTGAGAGCTCAGTGTCTTCACTAATGTCTCTGAACCTTCTGTCCCTCTTTG 2580
Qy 2581 TGTTCATGATAGTCCAAATAAATGTATCTTTGAACCTGATGCTCATAGGAGAGATA 2640
Db 2581 TGTTCATGATAGTCCAAATAAATGTATCTTTGAACCTGATGCTCATAGGAGAGATA 2640
Qy 2641 TAAGAACTCTGAGTGATATCAACATAGGAGATTCAAGAAATATTAGATTAAAGCTCACA 2700
Db 2641 TAAGAACTCTGAGTGATATCAACATAGGAGATTCAAGAAATATTAGATTAAAGCTCACA 2700
Qy 2701 CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760
Db 2701 CTGGTCAAAAGGAACCAAGATACAAAGAACTCTGAGCTGTCTGCTCCCATCTCTGTGA 2760
Qy 2761 GCCAACCAACAGCAGGAGCCCAACGATCTCTGAGATCTTAAATCAAGGAAACCAAGTG 2820
Db 2761 GCCAACCAACAGCAGGAGCCCAACGATCTCTGAGATCTTAAATCAAGGAAACCAAGTG 2820
Qy 2821 TCATGAGTTGAATCTCTCTATTATGATGCTAGCTTCTGCGCATCTCTGCTCTCTCTTT 2880
Db 2821 TCATGAGTTGAATCTCTCTATTATGATGCTAGCTTCTGCGCATCTCTGCTCTCTCTTT 2880
Qy 2881 GACACATATTAGCTTCTAGCTTCTGCTTCCAGCACTTTTATCTTCTCCAAACATCGC 2940
Db 2881 GACACATATTAGCTTCTAGCTTCTGCTTCCAGCACTTTTATCTTCTCCAAACATCGC 2940
Qy 2941 TTACCAATCTCTCTCTGCTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCT 3000
Db 2941 TTACCAATCTCTCTCTGCTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCTGCTTCT 3000
Qy 3001 CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036
Db 3001 CAAGTCTTTTCTTCCATCCCAACCACTAACCTGAAT 3036

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RESULT 9

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US-10-294-025-690
; Sequence 690, Application US/10294025
; Publication No: US20030185830A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Kalos, John A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C29
; CURRENT APPLICATION NUMBER: US/10/294,025
; CURRENT FILING DATE: 2002-11-12
; NUMBER OF SEQ ID NOS: 1038
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-294-025-690

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Query Match 84.8%; Score 3036; DB 16; Length 3923;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 3036; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1 ACAGAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Db 1 ACAGAGAAATAGCAAGTGCAGAGAGCTGGCATCAGAAAAACAGAGGGGAGATTGTGT 60
Qy 61 GGCTGACCCGAGGAGACAGGAGATCTGCATGTGGGAGAGCACTGTATGATACAGAG 120
Db 61 GGCTGACCCGAGGAGACAGGAGATCTGCATGTGGGAGAGCACTGTATGATACAGAG 120
Qy 121 GAATTACACACATATATCTAGTTTCAATGAACACCAAGATAAATAGTGAAGACTTA 180
Db 121 GAATTACACACATATATCTAGTTTCAATGAACACCAAGATAAATAGTGAAGACTTA 180

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Qy 181 GTCCGCTGTGAGTCTCTCTAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Db 181 GTCCGCTGTGAGTCTCTCTAGTGACACAGGGCTGGATCACCATCGACGGCACTTTCTGAG 240
Qy 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAA 300
Db 241 TACTCAGTGCAGCAAGAAAGACTACAGACATCTCAATGCGAGGGGTGAGAAATAAGAAA 300
Qy 301 GGCTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360
Db 301 GGCTGTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCAC 360
Qy 361 TAGAAGCAGCAAGATGACAAATAAATGTCTAAGTAGTGAATGTTTTGACATATTTCCAG 420
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Qy 421 CCCCTTTAAATATCCACACACAGAGAACACAAAAGGAGACAGAGATCCCTGGGAGA 480
Db 421 CCCCTTTAAATATCCACACACAGAGAACACAAAAGGAGACAGAGATCCCTGGGAGA 480
Qy 481 AATGCCCGCGCGCATCTTTGGGTCTATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTTGT 540
Db 481 AATGCCCGCGCGCATCTTTGGGTCTATCGATGAGCCTCGCCCTGTGCTGCTGCTTGT 540
Qy 541 GAGGAGAGGACATTAAGAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAAACAGA 600
Db 541 GAGGAGAGGACATTAAGAAATGAATTTGATGTTTCTTAAAGGATGGGAGGAAAACAGA 600
Qy 601 TCCGTGTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAATGAGTCAACAAGTGAG 660
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Db 661 CATTACCAATGAGAGGAAAACAGACAGAAAATCTTGATGGCTTCAAGACATGCAACA 720
Qy 721 AACAAAATGGAATATCTGTGATGATGAGCAGCAGCAAGCTGGGGAGAGATAACACGGG 780
Db 721 AACAAAATGGAATATCTGTGATGATGAGCAGCAGCAAGCTGGGGAGAGATAACACGGG 780
Qy 781 GCAGAGGCTCAGGATTTCTGGCCCTGCTTAACTGCTTAACTGCTTAACTGCTTAACTGCT 840
Db 781 GCAGAGGCTCAGGATTTCTGGCCCTGCTTAACTGCTTAACTGCTTAACTGCTTAACTGCT 840
Qy 841 ATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGGG 900
Db 841 ATATTTCTTAACCTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTCTCTCTGGG 900
Qy 901 CCCAATCTTCCATATATCCAGCCACACTCATTTTAAATATTAGTTTCCAGATCTGTA 960
Db 901 CCCAATCTTCCATATATCCAGCCACACTCATTTTAAATATTAGTTTCCAGATCTGTA 960
Qy 961 CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTGCTGAGTCTTGGCCAGGGATCTGTG 1020
Db 961 CTGTGACCTTTCTACACTGTAGAAATAACATTAATCTGCTGAGTCTTGGCCAGGGATCTGTG 1020
Qy 1021 GCTGCTTAATATGTAGTGTCTTTTCTTAAGGAGTGTCTGCGCCAGGGATCTGTG 1080
Db 1021 GCTGCTTAATATGTAGTGTCTTTTCTTAAGGAGTGTCTGCGCCAGGGATCTGTG 1080
Qy 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATATCTTACTAGCACACAGCATGA 1140
Db 1081 AACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATATCTTACTAGCACACAGCATGA 1140
Qy 1141 TCATTAAGGAGTGAATATCTAATCAACATCTCTCAGTGTCTTGGCCATCTGAAAT 1200
Db 1141 TCATTAAGGAGTGAATATCTAATCAACATCTCTCAGTGTCTTGGCCATCTGAAAT 1200
Qy 1201 TCATTTCCCACTTTTGTGCCCCATTTCAAGACCTCAAAATGTCTTCAATTAATATCACA 1260
Db 1201 TCATTTCCCACTTTTGTGCCCCATTTCAAGACCTCAAAATGTCTTCAATTAATATCACA 1260
Qy 1261 GGATTAACCTTTTTTTTTTAACTGGAAGATTTCAATGTTTACATGACGCTATGGAATTTA 1320

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Db	1261	GGATTAACTTTTAACTTGAAGAAATTCAAATGTTACATGCAAGCTATGGGAATTTA	1320
Qy	1321	ATTACATATTTTGTTCAGTGCAGAAAGATGACTAAGTCTTTATCGCTCCCTTTGTTT	1380
Db	1321	ATTACATATTTTGTTCAGTGCAGAAAGATGACTAAGTCTTTATCGCTCCCTTTGTTT	1380
Qy	1381	GATTTTTCCTCAGTATAAAGTTAAATGCTTAGCCCTTGACCTTGACCTGTATACAGCAC	1440
Db	1381	GATTTTTCCTCAGTATAAAGTTAAATGCTTAGCCCTTGACCTGTATACAGCAC	1440
Qy	1441	AGCCTCTCCCATCCCTCCAGCCCTTATCTGTCTATCACCATCAACCCCTCCCATACCACCT	1500
Db	1441	AGCCTCTCCCATCCCTCCAGCCCTTATCTGTCTATCACCATCAACCCCTCCCATACCACCT	1500
Qy	1501	AAACAAAATCTAATTTGTAATTCCTTGAACATGTGAGGACATATATTCCTTCGCTT	1560
Db	1501	AAACAAAATCTAATTTGTAATTCCTTGAACATGTGAGGACATATATTCCTTCGCTT	1560
Qy	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAATGATGTAAGTTTGAATAAGTTGACTA	1620
Db	1561	GAGAAGCTCTTCTGTCTCTTAAATCTAGAATGATGTAAGTTTGAATAAGTTGACTA	1620
Qy	1621	TCCTTACTTCATGCAAGAGGACACATATGAGATTCATCATCAGATGAGACAGCAATA	1680
Db	1621	TCCTTACTTCATGCAAGAGGACACATATGAGATTCATCATCAGATGAGACAGCAATA	1680
Qy	1681	CTAAAAGTGAATTTGATATATAGAGTTAGATAAATATATGAAATGCAAGAGCCACAGA	1740
Db	1681	CTAAAAGTGAATTTGATATATAGAGTTAGATAAATATATGAAATGCAAGAGCCACAGA	1740
Qy	1741	GGCAATGTTTATGGGCACGTTTGTAAAGCTGGATGTGAAGCAAGGCGAGCAACTCA	1800
Db	1741	GGCAATGTTTATGGGCACGTTTGTAAAGCTGGATGTGAAGCAAGGCGAGCAACTCA	1800
Qy	1801	TAGTATCTTATATAATATCTTCATTTCTATCTCTATCACAATATCCAAAGCTTTT	1860
Db	1801	TAGTATCTTATATAATATCTTCATTTCTATCTCTATCACAATATCCAAAGCTTTT	1860
Qy	1861	CACAGAAATTCATGAGTGCAGAAATCCCAAGGTAACCTTTATCCATTTTCAATGAGTGC	1920
Db	1861	CACAGAAATTCATGAGTGCAGAAATCCCAAGGTAACCTTTATCCATTTTCAATGAGTGC	1920
Qy	1921	GCCTTGAATTTTGGCAATCATACGTCTCACTATCTCACTTCTGAGATGCTTTGTCC	1980
Db	1921	GCCTTGAATTTTGGCAATCATACGTCTCACTATCTCACTTCTGAGATGCTTTGTCC	1980
Qy	1981	TTGTAGTTAATGAAAGAAATAGGCACCTCTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
Db	1981	TTGTAGTTAATGAAAGAAATAGGCACCTCTGTGAGCCACTTTAGGGTTCACTCCTGGC	2040
Qy	2041	AATAAGAAATTAACAAGACTACTCAGGACAGTTGTTGAAGCTCTGTGTGTGTGT	2100
Db	2041	AATAAGAAATTAACAAGACTACTCAGGACAGTTGTTGAAGCTCTGTGTGTGTGT	2100
Qy	2101	GT	2160
Db	2101	GT	2160
Qy	2161	TTAAAAACAAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCACCACCATAT	2220
Db	2161	TTAAAAACAAGCATGTTTCAAAATGGCACTATGAGCTGCCAATGATGATCACCACCATAT	2220
Qy	2221	CTCATTTATTCAGTAAATGTGATATAATATGTCATCTCTCTCTCTCTCTCTCTCTCTCT	2280
Db	2221	CTCATTTATTCAGTAAATGTGATATAATATGTCATCTCTCTCTCTCTCTCTCTCTCTCT	2280
Qy	2281	TTCAAAAAGCAGCTGGAATGACACCAACATATGATGATGATGATGATGATGATGATGATGAT	2340
Db	2281	TTCAAAAAGCAGCTGGAATGACACCAACATATGATGATGATGATGATGATGATGATGATGAT	2340
Qy	2341	GCTACACACTGCTGACATATATTTAGAGACACCTCGCATTTTGGGGTTCTCTTTAAGC	2400

Db	2341	GCTACACACTGCTGACATATATTTAGAGACACCTCGCATTTTGGGGTTCTCTTTAAGC	2400
Qy	2401	AAAAACTTTGCATTTAGGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGGAGAAATATTTCAA	2460
Db	2401	AAAAACTTTGCATTTAGGTCTCAGCTGGGCTGTGCATCAGGCGGTTTGGAGAAATATTTCAA	2460
Qy	2461	TTCTCAGCAGAAAGCCAGAAATTTGAATTCCTCTCATCTTTTAGGAATCATTTACCAGGTTTG	2520
Db	2461	TTCTCAGCAGAAAGCCAGAAATTTGAATTCCTCTCATCTTTTAGGAATCATTTACCAGGTTTG	2520
Qy	2521	GAGAGATTTCAAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTTCTGTGCTCCTTTTG	2580
Db	2521	GAGAGATTTCAAGACAGCTCAGGTGCTTTCACTAAATGTCTCTGAACTTCTGTGCTCCTTTTG	2580
Qy	2581	TGTTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAAATA	2640
Db	2581	TGTTTCATGATAGTCCAAATAAATGTTATCTTTGAACTGATGCTCATAGGAGAGAAATA	2640
Qy	2641	TAAGAACTCTGAGTGTATATCAACATTTAGGATTTCAAGAAATATTTAGACTTCACA	2700
Db	2641	TAAGAACTCTGAGTGTATATCAACATTTAGGATTTCAAGAAATATTTAGACTTCACA	2700
Qy	2701	CTGGTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCACTGCTCCCATCTCTGTGA	2760
Db	2701	CTGGTCAAAAGGAAACCAAGATACAAAGAACTCTGAGCTGTCACTGCTCCCATCTCTGTGA	2760
Qy	2761	GCACAAACCAACAGCAGGAGCCCAACGATGTCTGAGATCCTTTAAATCAAGGAAACCAAGT	2820
Db	2761	GCACAAACCAACAGCAGGAGCCCAACGATGTCTGAGATCCTTTAAATCAAGGAAACCAAGT	2820
Qy	2821	TCATGAGTTGAAATTTCTTATTTATGATGCTAGCTTTCTGGCCATCTCTGGCTCTCTCTTT	2880
Db	2821	TCATGAGTTGAAATTTCTTATTTATGATGCTAGCTTTCTGGCCATCTCTGGCTCTCTCTTT	2880
Qy	2881	GACACATATTTAGCTTCTAGCCTTTGCTTCCAGATTTTATCTTTTCTTCTTCCACATCTGC	2940
Db	2881	GACACATATTTAGCTTCTAGCCTTTGCTTCCAGATTTTATCTTTTCTTCTTCCACATCTGC	2940
Qy	2941	TTACCAATCT	3000
Db	2941	TTACCAATCT	3000
Qy	3001	CAAGTCTTTTCTTCCATCCCAACCACTAAACCTGAAT	3036
Db	3001	CAAGTCTTTTCTTCCATCCCAACCACTAAACCTGAAT	3036

RESULT 10

US-09-759-143-468
; Sequence 468, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, David C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143

; CURRENT FILING DATE: 2001-01-12
 ; NUMBER OF SEQ ID NOS: 934
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 468
 ; LENGTH: 3112
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-759-143-468

Query Match 38.1%; Score 1364; DB 9; Length 3112;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;

Qy	285	GGTGAGAAATAAGAAAGCGCTGCTGACCTTACCATCTGAGGCCACACATCTGCTGAAATGG	344
Db	1313	GGTGAGAAATAAGAAAGCGCTGCTGACCTTACCATCTGAGGCCACACATCTGCTGAAATGG	1372
Qy	345	AGATAAATTAACATCAGTAAAGACAGCAAGATGCAATATATATCTTAAGTAGTACATGT	404
Db	1373	AGATAAATTAACATCAGTAAAGACAGCAAGATGCAATATATATCTTAAGTAGTACATGT	1432
Qy	405	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAAGGAGCAC	464
Db	1433	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAAGGAGCAC	1492
Qy	465	AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT	524
Db	1493	AGAGATCCCTGGGAGAAATGCCCGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT	1552
Qy	525	GCCTGTCCTGCTGAGGAGGACATTTAGAAAATGAATGATGTTCTTAAAGGA	584
Db	1553	GCCTGTCCTGCTGAGGAGGACATTTAGAAAATGAATGATGTTCTTAAAGGA	1612
Qy	585	TGGCAGGAAAACAGATCTGTTGTGATATTTTGAACGGGATTAACAGATTTGAAAT	644
Db	1613	TGGCAGGAAAACAGATCTGTTGTGATATTTTGAACGGGATTAACAGATTTGAAAT	1672
Qy	645	GAAAGTCAAAAGTGAGCATTTACCAATGAGGAGAAAACAGACGAGAAAATCTTGATGGCTT	704
Db	1673	GAAAGTCAAAAGTGAGCATTTACCAATGAGGAGAAAACAGACGAGAAAATCTTGATGGCTT	1732
Qy	705	CACAGACATGCAACAAATGGAATGTAATCTGTGATGATGAGGAGGCAAGCTGGGG	764
Db	1733	CACAGACATGCAACAAATGGAATGTAATCTGTGATGATGAGGAGGCAAGCTGGGG	1792
Qy	765	AGAGATTAACACGGGGCAGAGGTGAGGATCTGGCCCTGCTGCTTAAACTGTGGCTTC	824
Db	1793	AGAGATTAACACGGGGCAGAGGTGAGGATCTGGCCCTGCTGCTTAAACTGTGGCTTC	1852
Qy	825	ATAACCAAATCATTTCTATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC	884
Db	1853	ATAACCAAATCATTTCTATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC	1912
Qy	885	TAGGTTCTTCTGGGCGCAACATCTCCATATATCAGGACACATCAATTTAAATATTT	944
Db	1913	TAGGTTCTTCTGGGCGCAACATCTCCATATATCAGGACACATCAATTTAAATATTT	1972
Qy	945	AGTTCCAGATCTGATCTGACCTTTCTACCTGATAGATAACATTTACTCATTTTCTTC	1004
Db	1973	AGTTCCAGATCTGATCTGACCTTTCTACCTGATAGATAACATTTACTCATTTTCTTC	2032
Qy	1005	AAAGACCTTCTGTTGCTGCTAATATGATGCTGACTGTTTTCCTAAGGAGTGTTCG	1064
Db	2033	AAAGACCTTCTGTTGCTGCTAATATGATGCTGACTGTTTTCCTAAGGAGTGTTCG	2092
Qy	1065	GCCAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTA	1124
Db	2093	GCCAGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATCTTA	2152
Qy	1125	CTAGCACACAGCATGATCTTACGGAGTGAATATCTAATCAACATCATCTCAGTGCT	1184
Db	2153	CTAGCACACAGCATGATCTTACGGAGTGAATATCTAATCAACATCATCTCAGTGCT	2212

Qy	1185	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA	1244
Db	2213	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA	2272
Qy	1245	TTCCATTAAATATCACAGGATTAACCTTTTAACTTGAAGATTTCAATGTTACATG	1304
Db	2273	TTCCATTAAATATCACAGGATTAACCTTTTAACTTGAAGATTTCAATGTTACATG	2332
Qy	1305	CAGCTATGGGAATTTAAATTAATATATATTTTCCAGTCAAAAGATGACTAAGTCTCTTA	1364
Db	2333	CAGCTATGGGAATTTAAATTAATATATATTTTCCAGTCAAAAGATGACTAAGTCTCTTA	2392
Qy	1365	TCCTCCCTTCTGTTGATTTTTCAGTATAAAGTAAATGCTTAGCCTTGTACTG	1424
Db	2393	TCCTCCCTTCTGTTGATTTTTCAGTATAAAGTAAATGCTTAGCCTTGTACTG	2452
Qy	1425	AGCTGTATACAG-CACAGCTCTCCCATCCCTCCAGCTTATCTGTCTATCAACCATCAA	1483
Db	2453	AGCTGTATACAGCAAGCTCTCCCATCCCTCCAGCTTATCTGTCTATCAACCATCAA	2512
Qy	1484	CCCTCCCATACCACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAGGACATA	1543
Db	2513	CCCTCCCAT-CCACCTTAAACAAAATCTAACTTGTAAATTCCTTGAACATGTCAGG-CA	2570
Qy	1544	CATTATTCCTTCTGCTGAGAGCTCTTCCCTGCTCTTAAATCTAGAAATGATGTAAGT	1603
Db	2571	CATTATTCCTTCTGCTGAGAGCTCTTCCCTGCTCTTAAATCTAGAAATGATGTAAGT	2630
Qy	1604	TTTGAATTAAGTTCAGTATCTTCTTCAATGCAAAAGAGGACACATATGAGATTCATCATC	1663
Db	2631	TTTGAATTAAGTTCAGTATCTTCTTCAATGCAAAAGAGGACACATATGAGATTCATCATC	2690
Qy	1664	ACATGAGACAGCAAAATTAATAAGTGTAAATTTGATTATTAAGAGTTTAGATAAATATATGA	1723
Db	2691	ACATGAGACAGCAAAATTAATAAGTGTAAATTTGATTATTAAGAGTTTAGATAAATATATGA	2750
Qy	1724	AATGCAAGAGCCACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCTGGGATGTGAAGC	1783
Db	2751	AATGCAAGAGCCACAGAGGAAATGTTTATGGGGCAGCTTTGTAAGCTGGGATGTGAAGC	2810
Qy	1784	AAAGGAGGAGCACTCATAGTATCTTATATAATATATCTTCTATCTCTATCTATCACA	1843
Db	2811	AAAGGAGGAGCACTCATAGTATCTTATATAATATATCTTCTATCTCTATCTATCACA	2870
Qy	1844	ATATCCAAACAAAGCTTTTTCAGAGAAATTCATGCAAGTGAATATCCCAAGGTAACCTTTATC	1903
Db	2871	ATATCCAAACAAAGCTTTTTCAGAGAAATTCATGCAAGTGAATATCCCAAGGTAACCTTTATC	2930
Qy	1904	CATTTCATGTTGAGTGGCTTTTGAAGATTTTGGCAATATCATCTGCTGCTTCTCAACT	1963
Db	2931	CATTTCATGTTGAGTGGCTTTTGAAGATTTTGGCAATATCATCTGCTGCTTCTCAACT	2990
Qy	1964	TTGAGATGTTTGTCTCTTGTAGTAAATGCAAGAAATAGGGCACTCTCTGAGGCCACTT	2023
Db	2991	TTGAGATGTTTGTCTCTTGTAGTAAATGCAAGAAATAGGGCACTCTCTGAGGCCACTT	3050
Qy	2024	TAGGTTCTCTCTCTGGCAATTAAGAAATTTACAAAGAGC	2061
Db	3051	TAGGTTCTCTCTCTGGCAATTAAGAAATTTACAAAGAGC	3088

RESULT 11
 US-09-780-669-468
 ; Sequence 468, Application US/09780669
 ; Patent No. US2002005197A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.

APPLICANT:	Fanger, Gary R.
APPLICANT:	Retter, Marc W.
APPLICANT:	Stolk, John A.
APPLICANT:	Day, Craig H.
APPLICANT:	Vedvick, Thomas S.
APPLICANT:	Carter, Darrick
APPLICANT:	Li, Samuel
APPLICANT:	Wang, AiJun
APPLICANT:	Skeiky, Yasir A.W.
APPLICANT:	Hepler, William
APPLICANT:	Hural, John
APPLICANT:	McNeill, Patricia D.
APPLICANT:	Houghton, Raymond L.
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION:	DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE:	210121.427C24
CURRENT APPLICATION NUMBER:	US/09/780,669
CURRENT FILING DATE:	2001-02-09
NUMBER OF SEQ ID NOS:	943
SOFTWARE:	FastSeq for Windows Version 3.0
SEQ ID NO	468
LENGTH:	3112
TYPE:	DNA
ORGANISM:	Homo sapiens
US-09-780-669-468	
Query Match	38.1%; Score 1364; DB 9; Length 3112;
Best Local Similarity	99.8%; Pred. No. 0;
Matches 1774; Conservative	0; Mismatches 1; Indels 3; Gaps 3;
QY	285 GGTGAGAAATAAGAAAGGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
DB	1313 GGTGAGAAATAAGAAAGGCTGCTGACCTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1372
QY	345 AGATAATTATACATCATPAGAAAAACAGCAAGATGACAATAATATGTCTAAGTAGTGCATGT 404
DB	1373 AGATAATTATACATCATPAGAAAAACAGCAAGATGACAATAATATGTCTAAGTAGTGCATGT 1432
QY	405 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAGGACACAAAGGAGGCAC 464
DB	1433 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAGGACACAAAGGAGGCAC 1492
QY	465 AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGGTTCATCGATGAGCCTCGCCCTGT 524
DB	1493 AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTGGGTTCATCGATGAGCCTCGCCCTGT 1552
QY	525 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAAATGATGATGTTTCTTTAAAGGA 584
DB	1553 GCCTGGTCCCGCTTGTGAGGGAAGGACATTTAGAAAATGAAATGATGATGTTTCTTTAAAGGA 1612
QY	585 TGGGCGAGAAAAACAGATCCTGTTGTGATATTTATTTGAACGGGATTTACAGATTTGAAAT 644
DB	1613 TGGGCGAGAAAAACAGATCCTGTTGTGATATTTATTTGAACGGGATTTACAGATTTGAAAT 1672
QY	645 GAAGTCAAAAGTGAGCATTTACCAATCAGAGGAAAAACAGACGAGAAATCTTCATGGCTT 704
DB	1673 GAAGTCAAAAGTGAGCATTTACCAATCAGAGGAAAAACAGACGAGAAATCTTCATGGCTT 1732
QY	705 CACAAGACATGCAACAAACAAAATGGAAATCTGTGATGACATGAGGCGAGCAAGCTGGGG 764
DB	1733 CACAAGACATGCAACAAACAAAATGGAAATCTGTGATGACATGAGGCGAGCAAGCTGGGG 1792
QY	765 AGGAGATAACACCGGGCAGAGGTGAGGATCTGGGCCCTGCTGCTTAAACTGTGGCTTC 824
DB	1793 AGGAGATAACACCGGGCAGAGGTGAGGATCTGGGCCCTGCTGCTTAAACTGTGGCTTC 1852
QY	825 ATACCAAAATCATTTTCATATTTCTTAAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 884
DB	1853 ATACCAAAATCATTTTCATATTTCTTAAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1912
QY	885 TACGGTTCTCTTGGGGCCCAACTTCTCCATATATCCAGGCACACTCATTTTTTAATATTT 944
DB	1913 TACGGTTCTCTTGGGGCCCAACTTCTCCATATATCCAGGCACACTCATTTTTTAATATTT 1972

Db	3051	TAGGGTTCACTCTCTGGCAATAAGAAATTTACAAGAGC	3088	1673	GAAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	1732
RESULT 13						
US-09-895-793-468						
; Sequence 468, Application US/09895793						
; Publication No. US20020192763A1						
; GENERAL INFORMATION:						
; APPLICANT: Xu, Jiangchun						
; APPLICANT: Dillon, Davin C.						
; APPLICANT: Mitchell, Jennifer L.						
; APPLICANT: Harlocker, Susan L.						
; APPLICANT: Jiang, Yuqiu						
; APPLICANT: Kalos, Michael D.						
; APPLICANT: Retter, Marc W.						
; APPLICANT: Stolk, John A.						
; APPLICANT: Day, Craig H.						
; APPLICANT: Vedvick, Thomas S.						
; APPLICANT: Carter, Darrick						
; APPLICANT: Li, Samuel X.						
; APPLICANT: Wang, Aijun						
; APPLICANT: Skeiky, Yasir A.W.						
; APPLICANT: Hepler, William T.						
; APPLICANT: Henderson, Robert A.						
; APPLICANT: Hural, John						
; APPLICANT: McNeill, Patricia D.						
; APPLICANT: Houghcon, Raymond L.						
; APPLICANT: Vinals de Bassols, Carlota						
; APPLICANT: Foy, Teresa						
; APPLICANT: Fanger, Gary R.						
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND						
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER						
; FILE REFERENCE: 210121.534C2						
; CURRENT APPLICATION NUMBER: US/09/895,793						
; CURRENT FILING DATE: 2001-06-29						
; NUMBER OF SEQ ID NOS: 982						
; SOFTWARE: Fast-Seq for Windows Version 3.0						
; SEQ ID NO 468						
; LENGTH: 3112						
; TYPE: DNA						
; ORGANISM: Homo sapiens						
US-09-895-793-468						
Query Match 38.1%; Score 1364; DB 9; Length 3112;						
Best Local Similarity 99.8%; Pred. No. 0;						
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 3;						
Qy	285	GGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	344	1673	GAAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	1732
Db	1313	GGTGAGAAATAAGAAAGGCTGTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1372	705	CACAAGACATGCAACAAACAAATGCAATACCTGTGATGACATGAGCAGCAGCAGCTGGGG	764
Qy	345	AGATAATTAACATCACTAGAAACAGCAGAGATGACATATATGTCTAAGTAGTGACATGT	404	1733	CACAAGACATGCAACAAACAAATGCAATACCTGTGATGACATGAGCAGCAGCAGCTGGGG	1792
Db	1373	AGATAATTAACATCACTAGAAACAGCAGAGATGACATATATGTCTAAGTAGTGACATGT	1432	765	AGGAGATAACACCGGGCAGAGGGTCAGGANTCTGGCCCTGCTGCTTAAACTGTGGGTTTC	824
Qy	405	TTTGTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAGAGCAC	464	1793	AGGAGATAACACCGGGCAGAGGGTCAGGANTCTGGCCCTGCTGCTTAAACTGTGGGTTTC	1852
Db	1433	TTTGTGACATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAGAGCAC	1492	825	ATAACCAAAATCAATTCATATTTCTAAACCCCTCAAAAACAAAGCTGTTGTAAATCTGATCTC	884
Qy	465	AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT	524	1853	ATAACCAAAATCAATTCATATTTCTAAACCCCTCAAAAACAAAGCTGTTGTAAATCTGATCTC	1912
Db	1493	AGAGATCCCTGGGAGAAATCCCGGCCCATCTTGGGTGATCGATGAGCCTCGCCCTGT	1552	885	TACGGTTCTTCTGGGGCCCAAGATTCTCCATATATCCAGCCACACATTTTAAATATTT	944
Qy	525	GCCTGTCCTGCTGTGAGGAGGACATTTAGAAAATGAATGTGTTCTTTAAAGGA	584	1913	TACGGTTCTTCTGGGGCCCAAGATTCTCCATATATCCAGCCACACATTTTAAATATTT	1972
Db	1553	GCCTGTCCTGCTGTGAGGAGGACATTTAGAAAATGAATGTGTTCTTTAAAGGA	1612	945	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTCATTTTGTTC	1004
Qy	585	TGGCAGGAAACACAGATCTCTGTGATATTTTGAACGGGATTTACAGATTTGAAAT	644	1973	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTCATTTTGTTC	2032
Db	1613	TGGCAGGAAACACAGATCTCTGTGATATTTTGAACGGGATTTACAGATTTGAAAT	1672	1005	AAAGACCCCTTGGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTAAGGAGTGTCTG	1064
Qy	645	GAAAGTCACAAAGTGAGCATTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	704	2033	AAAGACCCCTTGGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTAAGGAGTGTCTG	2092

Qy	1784	AAAGCGAGGGAAACCTCATAGTATCTTATATAATAATACCTTCAATTTCTCTATCTCTATACACA	1848
Db	2811	AAAGCGAGGGAAACCTCATAGTATCTTATATAATAATACCTTCAATTTCTCTATCTCTATACACA	2870
Qy	1844	ATATCCCAACAAAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAAGGTAAACCTTTATC	1903
Db	2871	ATATCCCAACAAAGCTTTTTCACAGAAATTCATGCAGTGCAAAATCCCCAAAGGTAAACCTTTATC	2930
Qy	1904	CATTTTCATGTGAGTGGCGCTTTTAGAATTTTGGGCAAAATCATACTGGTCACCTTATCTCAACT	1963
Db	2931	CATTTTCATGTGAGTGGCGCTTTTAGAATTTTGGGCAAAATCATACTGGTCACCTTATCTCAACT	2990
Qy	1964	TTGAGATGTGTTTGTCTTGTCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTT	2023
Db	2991	TTGAGATGTGTTTGTCTTGTCTTGTAGTAAATGAAAGAAATAGGGCACTCTTGTGAGCCACTT	3050
Qy	2024	TAGGGTTCACTCCCTGGCAATAAAGAAATTTTACAAAGAGC	2061
Db	3051	TAGGGTTCACTCCCTGGCAATAAAGAAATTTTACAAAGAGC	3088
RESULT 14			
US-09-895-814-468			
; Sequence 468, Application US/09895814			
; Publication No. US20020193296A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqiu			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Barrick			
; APPLICANT: Li, Samuel X.			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William T.			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Hural, John			
; APPLICANT: McNeill, Patricia D.			
; APPLICANT: Houghton, Raymond L.			
; APPLICANT: Vinals de Bassols, Carlota			
; APPLICANT: Foy, Teresa			
; APPLICANT: Fanger, Gary R.			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 210121.427C26			
; CURRENT APPLICATION NUMBER: US/09/895,814			
; CURRENT FILING DATE: 2001-06-29			
; NUMBER OF SEQ ID NOS: 990			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 468			
; LENGTH: 3112			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-895-814-468			
Query Match 38.1%; Score 1364; DB 9; Length 3112;			
Best Local Similarity 99.8%; Pred. No. 0;			
Matches 1774; Conservative 0; Mismatches 1; Indels 3; Gaps 344			
Qy	285	GGTGAGAAATAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAATGG	344
Db	1313	GGTGAGAAATAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAATGG	1372
Qy	345	AGATAATTAACATCACTAGAAACAGCAAGATGACAATATATGTTAAGTAGTGACATGT	404
Db	1373	AGATAATTAACATCACTAGAAACAGCAAGATGACAATATATGTTAAGTAGTGACATGT	1432

QY	405	TTTTGCACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCAC	464
DB	1433	TTTTTGCACTTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCAC	1492
QY	465	AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTTGGGTCAATCGATCAGAGCTCGCCCTGT	524
DB	1493	AGAGATCCCTGGGAGAAATGCCGGCCGCATCTTTGGGTCAATCGATCAGAGCTCGCCCTGT	1552
QY	525	GCCTGGTCCCGCTTGTGAGGGAAGCAATTAGAAAAATGAAATTGATGTGTTCCCTTTAAAGGA	584
DB	1553	GCCTGGTCCCGCTTGTGAGGGAAGCAATTAGAAAAATGAAATTGATGTGTTCCCTTTAAAGGA	1612
QY	585	TGGCGCAGAAACAGATCCTGTGTGCAATATTTTGAACGGGATTTACAGATTTTGAAT	644
DB	1613	TGGCGCAGAAACAGATCCTGTGTGCAATATTTTGAACGGGATTTACAGATTTTGAAT	1672
QY	645	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	704
DB	1673	GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAAAAATCTTGATGGCTT	1732
QY	705	CACAAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGCAGCCAGCTGGGG	764
DB	1733	CACAAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGGCAGCCAGCTGGGG	1792
QY	765	AGGAGATAACACCGGGCCAGAGGCTCAGGATTTCTGGGCCCTGTGCTCCCTTAAACTGTGCCGTT	824
DB	1793	AGGAGATAACACCGGGCCAGAGGCTCAGGATTTCTGGGCCCTGTGCTCCCTTAAACTGTGCCGTT	1852
QY	825	ATAACCAAAATCATTTTCATATTTTAAACCCCTCAAAACAAAGCTGTGTTAAATCTGATCTC	884
DB	1853	ATAACCAAAATCATTTTCATATTTTAAACCCCTCAAAACAAAGCTGTGTTAAATCTGATCTC	1912
QY	885	TACGGTTCCTTCGGGCCCAACATTCCTCATATATCCAGCCACACTCATTTTTTAATATTT	944
DB	1913	TACGGTTCCTTCGGGCCCAACATTCCTCATATATCCAGCCACACTCATTTTTTAATATTT	1972
QY	945	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	1004
DB	1973	AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	2032
QY	1005	AAAGACCTTCGTGTGCTGCTTAATATGACTGACTGTGTTTTCTTAAAGGAGTGTCTG	1064
DB	2033	AAAGACCTTCGTGTGCTGCTTAATATGACTGACTGTGTTTTCTTAAAGGAGTGTCTG	2092
QY	1065	GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1124
DB	2093	GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	2152
QY	1125	CTAGCACACAGCATGATCATTAAGGAGTGAATTTACTTAATCAACATCATCTCTCAGTGCT	1184
DB	2153	CTAGCACACAGCATGATCATTAAGGAGTGAATTTACTTAATCAACATCATCTCTCAGTGCT	2212
QY	1185	TTGGCCATACGAAATTCATTTCCACTTTTGTGCCCATTCCTCAAGACCTCAAAATGTCA	1244
DB	2213	TTGGCCATACGAAATTCATTTCCACTTTTGTGCCCATTCCTCAAGACCTCAAAATGTCA	2272
QY	1245	TTCCATTAATATCAGGATTAACCTTTTTTTTAACTGGAAGAAATTCAAATGTTACATG	1304
DB	2273	TTCCATTAATATCAGGATTAACCTTTTTTTTAACTGGAAGAAATTCAAATGTTACATG	2332
QY	1305	CAGCTATGGGAATTTAATTAATATTTGTTTTTCCAGTGCAAGAGTCAATGCTCTTTA	1364
DB	2333	CAGCTATGGGAATTTAATTAATATTTGTTTTTCCAGTGCAAGAGTCAATGCTCTTTA	2392
QY	1365	TCCCTCCCTTTGTTTGAATTTTTTTTCCAGTATAAGGTAAAAATGCTTAGCTTGTACTG	1424
DB	2393	TCCCTCCCTTTGTTTGAATTTTTTTTCCAGTATAAGGTAAAAATGCTTAGCTTGTACTG	2452
QY	1425	AGGCTGTATACAG-CACAGGCTCTCCCATCTCCAGCCCTTATCTGTCTATCACCATCAA	1483
DB	2453	AGGCTGTATACAGCCACAGGCTCTCCCATCTCCCTCAGCCCTTATCTGTCTATCACCATCAA	2512

Qy	1185	TTGCCCATCTGAAATTCATTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1244
Db	2213	TTGCCCATCTGAAATTCATTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	2272
Qy	1245	TTCCATTAATATCACAGGATTAATTTTAACTTGAAGATTCATGTTACATG	1304
Db	2273	TTCCATTAATATCACAGGATTAATTTTAACTTGAAGATTCATGTTACATG	2332
Qy	1305	CAGCTATGGGAATTAATATACATATTTTCCAGTGCAGAGATGACCTAAAGTCCTTTTA	1364
Db	2333	CAGCTATGGGAATTAATATACATATTTTCCAGTGCAGAGATGACCTAAAGTCCTTTTA	2392
Qy	1365	TCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTTAAAGTTAGCCTTGTAAGT	1424
Db	2393	TCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTAAAGTTAAAGTTAGCCTTGTAAGT	2452
Qy	1425	AGGCTGTATACAG-CACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCATCAA	1483
Db	2453	AGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCACCATCAA	2512
Qy	1484	CCCTCCCATACACACCTAAACAAAATCTAACTTTGTAATTCCTTGAACATGTGAGGACATA	1543
Db	2513	CCCTCCCAT-GCACCTAAACAAAATCTAACTTTGTAATTCCTTGAACATGTGAGG-CATA	2570
Qy	1544	CATTATTCCTTCTGCTGAGAGCTCTTCTCTCTTAAATCTAGAATGATGTAAAGT	1603
Db	2571	CATTATTCCTTCTGCTGAGAGCTCTTCTCTCTTAAATCTAGAATGATGTAAAGT	2630
Qy	1604	TTTGAATAGTTGACTATCTTACTTCATGCAGAGAGGGACACATATGAGATTCATCATC	1663
Db	2631	TTTGAATAGTTGACTATCTTACTTCATGCAGAGAGGGACACATATGAGATTCATCATC	2690
Qy	1664	ACATGAGACAGCAAACTAAAGTGTAAATTTGATTATAGAGTTTAGATAAAATATATGA	1723
Db	2691	ACATGAGACAGCAAACTAAAGTGTAAATTTGATTATAGAGTTTAGATAAAATATATGA	2750
Qy	1724	AATGCAAGAGCCACAGAGGAATGTTTATGCGGACGTTTGTAAAGCTGGGATGTGAAGC	1783
Db	2751	AATGCAAGAGCCACAGAGGAATGTTTATGCGGACGTTTGTAAAGCTGGGATGTGAAGC	2810
Qy	1784	AAGGCAGGGAACCTCATAGTATCTTATATATATATATCTTCTATCTCTATCACA	1843
Db	2811	AAGGCAGGGAACCTCATAGTATCTTATATATATATATCTTCTATCTCTATCACA	2870
Qy	1844	ATATCCAAAGCTTTTTCAGAAATTCATGCAATGCAATCCCAAGGTAAAGCTTTATC	1903
Db	2871	ATATCCAAAGCTTTTTCAGAAATTCATGCAATGCAATCCCAAGGTAAAGCTTTATC	2930
Qy	1904	CATTTTCATGAGTGGCTTTTGAATTTTGGCAATTCATATGCTGCTTATCTCAACT	1963
Db	2931	CATTTTCATGAGTGGCTTTTGAATTTTGGCAATTCATATGCTGCTTATCTCAACT	2990
Qy	1964	TTGAGATGTTTGTCTTGTAGTAAATTCAGAGAAATAGGCACTCTTGTGAGCCACTT	2023
Db	2991	TTGAGATGTTTGTCTTGTAGTAAATTCAGAGAAATAGGCACTCTTGTGAGCCACTT	3050
Qy	2024	TAGGTTTCACTCTCTGCAATAAAGAAATTTACAAAGAGC	2061
Db	3051	TAGGTTTCACTCTCTGCAATAAAGAAATTTACAAAGAGC	3088

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OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 12:06:32 ; Search time 131.224 Seconds
(without alignments)
10224.884 Million cell updates/sec

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Perfect score: 820
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Scoring table: OLIGO_NUC
Gapop 60.0 , Gapext 60.0

Searched: 1202784 seqs, 818138359 residues

Word size : 0

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	812	99.0	812	3	US-09-352-616A-471
C 3	812	99.0	812	4	US-09-636-215-471
C 4	812	99.0	812	4	US-09-685-166A-471
C 5	812	99.0	812	4	US-09-679-426-471
C 6	812	99.0	812	4	US-09-759-143-471
C 7	812	99.0	812	4	US-09-651-236-471
C 8	724	88.3	2229	3	US-09-439-313-469
C 9	724	88.3	2229	3	US-09-352-616A-469
C 10	724	88.3	2229	3	US-09-636-215-469
C 11	724	88.3	2229	4	US-09-685-166A-469
C 12	724	88.3	2229	4	US-09-679-426-469
C 13	724	88.3	2229	4	US-09-759-143-469
C 14	724	88.3	2229	4	US-09-651-236-469
C 15	724	88.3	2426	3	US-09-439-313-470
C 16	724	88.3	2426	3	US-09-352-616A-470
C 17	724	88.3	2426	4	US-09-636-215-470
C 18	724	88.3	2426	4	US-09-685-166A-470
C 19	724	88.3	2426	4	US-09-679-426-470
C 20	724	88.3	2426	4	US-09-759-143-470
C 21	724	88.3	2426	3	US-09-651-236-470
C 22	724	88.3	3112	3	US-09-439-313-468
C 23	724	88.3	3112	3	US-09-352-616A-468
C 24	724	88.3	3112	4	US-09-636-215-468
C 25	724	88.3	3112	4	US-09-685-166A-468
C 26	724	88.3	3112	4	US-09-679-426-468
C 27	724	88.3	3112	4	US-09-759-143-468

28 724 88.3 3112 4 US-09-651-236-468 Sequence 468, App
29 723 88.2 3923 4 US-09-636-215-690 Sequence 690, App
30 723 88.2 3923 4 US-09-685-166A-690 Sequence 690, App
31 723 88.2 3923 4 US-09-679-426-690 Sequence 690, App
32 723 88.2 3923 4 US-09-759-143-690 Sequence 690, App
33 723 88.2 3923 4 US-09-651-236-690 Sequence 690, App
34 260 31.7 437 4 US-09-513-999C-10843 Sequence 10843, A
35 257 31.3 718 3 US-09-439-313-313 Sequence 313, App
36 257 31.3 718 3 US-09-352-616A-313 Sequence 313, App
37 257 31.3 718 3 US-09-232-149A-313 Sequence 313, App
38 257 31.3 718 4 US-09-636-215-313 Sequence 313, App
39 257 31.3 718 4 US-09-685-166A-313 Sequence 313, App
40 257 31.3 718 4 US-09-688-489-313 Sequence 313, App
41 257 31.3 718 4 US-09-679-426-313 Sequence 313, App
42 257 31.3 718 4 US-09-759-143-313 Sequence 313, App
43 257 31.3 718 4 US-09-651-236-313 Sequence 313, App
44 241 29.4 481 4 US-09-621-976-15110 Sequence 15110, A
45 179 21.8 301 3 US-09-439-313-287 Sequence 287, App
C

ALIGNMENTS

RESULT 1
US-09-439-313-471/c
; Sequence 471, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Billon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Panger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 21021.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-471

Query Match 99.0%; Score 812; DB 3; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCGGAGAGACCAGGAAGA 65
DB 812 CTGGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCAGCGGAGAGACCAGGAGA 753
QY 66 TTGCGATGTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 125
DB 752 TCTGCGATGTGGGAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTACATCACTAGAACAGCAA 185
DB 692 TACCATCTGAGGCCACACATCTGCTGAATGAGATAATTACATCACTAGAACAGCAA 633
QY 186 GATGCAATATATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGGCCCTTTAAATA 245
DB 632 GATGCAATATATGTCTAAGTAGTGACATGTTTTTGCACATTTCCAGGCCCTTTAAATA 573
QY 246 TCCACACACAGGAGAGCAAAAGGAGACACAGAGATCCCTGGGAGAAATGCCCGCGC 305


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; ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; ; FILE REFERENCE: 210121.42717C17
; ; CURRENT APPLICATION NUMBER: US/09/636,215
; ; CURRENT FILING DATE: 2000-08-10
; ; NUMBER OF SEQ ID NOS: 852
; ; SOFTWARE: FastSeq for Windows Version 3.0
; ; SEQ ID NO 471
; ; LENGTH: 812
; ; TYPE: DNA
; ; ORGANISM: Homo sapiens
US-09-636-215-471

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Query Match	99.0%	Score 812;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 812;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	6	CTGCATCAGAAAAACAGAGGGAGATTGTGTGCCTGCAGCCGAGGGAGACACAGGAAGA	65	
Db	812	CTGCATCAGAAAAACAGAGGGAGATTGTGTGCCTGCAGCCGAGGGAGACACAGGAAGA	753	
Qy	66	TCTGCATGTGGGAGGACCTGTGATCATACAGAGGTGAGAAATAAGAAAGGCTGCTGCATT	125	
Db	752	TCTGCATGTGGGAGGACCTGTGATCATACAGAGGTGAGAAATAAGAAAGGCTGCTGCATT	693	
Qy	126	TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAACAGCAA	185	
Db	692	TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAAACATCACTAGAAACAGCAA	633	
Qy	186	GATGACATATATGTCTTAAGTAGTGACATGTTTTTTCACATTTTCCAGCCCTTTAAATA	245	
Db	632	GATGACATATATATGTCTTAAGTAGTGACATGTTTTTTCACATTTTCCAGCCCTTTAAATA	573	
Qy	246	TCACACACACAGGAAGCACAAAAAGGAGACACAGAGATCCCTCGGAGAAATGCCCGCGCG	305	
Db	572	TCACACACACAGGAAGCACAAAAAGGAGACACAGAGATCCCTCGGAGAAATGCCCGCGCG	513	
Qy	306	CCATCTTTGGGTTCATCGATGAGCCTCGCCCTGTGCTCGCTCCGCTTTGTAGGGAAGGACA	365	
Db	512	CCATCTTTGGGTTCATCGATGAGCCTCGCCCTGTGCTCGCTCCGCTTTGTAGGGAAGGACA	453	
Qy	366	TTAGAAAAATGAAATTGATGTGTTCTTTAAAGATGGGACGAAACACAGATCCTGTTGTGGA	425	
Db	452	TTAGAAAAATGAAATTGATGTGTTCTTTAAAGATGGGACGAAACACAGATCCTGTTGTGGA	393	
Qy	426	TATTTATTTGAAACGGGATTACAGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGA	485	
Db	392	TATTTATTTGAAACGGGATTACAGATTTGAAATGAAGTCACAAAGTGAGCATTTACCAATGA	333	
Qy	486	GAGAAAAACAGACGAGAAAAATCTTTGATGGCTTTCAACAGACATGCAAAACAAAATGGAA	545	
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Qy	546	TACTGTGATGACATGAGCGACCCAAAGCTGGGGAGAGATAACACGCGGGACAGGGTCAG	605	
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Db	152	CTCAAAACAAAGCTGTTGTAATATCTGATCTCTACGGTTCTCTCTGGGCCCAACATCTC	93	
Qy	726	CATATATCCAGCCACACTCATTTTTTAAATATTAGTTTCCAGATCTGTACTGTGACCTTTC	785	
Db	92	CATATATCCAGCCACACTCATTTTTTAAATATTAGTTTCCAGATCTGTACTGTGACCTTTC	33	
Qy	786	TACACTGTAGATAAACATTACTCATTTTGTTC	817	
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RESULT 4
US-09-685-166A-471/c
: Sequence 471, Application US/09685166A
: Patent No. 6630305
: GENERAL INFORMATION:
: APPLICANT: Xu, Jiangchun
: APPLICANT: Dillon, Davin C.
: APPLICANT: Mitcham, Jennifer L.
: APPLICANT: Harlocker, Susan L.
: APPLICANT: Jiang, Yuqi
: APPLICANT: Henderson, Robert A.
: APPLICANT: Kalos, Michael D.
: APPLICANT: Fanger, Gary R.
: APPLICANT: Retter, Marc W.
: APPLICANT: Stolk, John A.
: APPLICANT: Day, Craig H.
: APPLICANT: Vedvick, Thomas S.
: APPLICANT: Carter, Darrick
: APPLICANT: Li, Samuel
: APPLICANT: Wang, Aijun
: APPLICANT: Skeiky, Yasir A.W.
: APPLICANT: Hepler, William
: TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
: TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
: FILE REFERENCE: 210121.427C21
: CURRENT APPLICATION NUMBER: US/09/685,166A
: CURRENT FILING DATE: 2000-10-10
: NUMBER OF SEQ ID NOS: 898
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 471
: LENGTH: 812
: TYPE: DNA
: ORGANISM: Homo sapiens
US-09-685-166A-471

Query Match	99.0%;	Score 812;	DB 4;	Length 812;
Best Local Similarity	100.0%;	Pred. No. 0;		
Matches 812;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	6	CTGGCATCAGAAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGGAGACCAAGGAGA	65	
Db	812	CTGGCATCAGAAAAACAGAGGGGAGATTTCTGTGGCTGCAGCCGAGGGAGACCAAGGAGA	753	
Qy	66	TCTGCGATGTTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGCATTT	125	
Db	752	TCTGCGATGTTGGGAAGGACCTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTGCATTT	693	
Qy	126	TACCATCTGAGGCCACACATCTCTGCTGAAATGGAGATTAATTAACATCTAGAAAACAGCAA	185	
Db	692	TACCATCTGAGGCCACACATCTCTGAAATGGAGATTAATTAACATCTAGAAAACAGCAA	633	
Qy	186	GATGACAAATATAATGCTTAAGTAGTGACATGTTTTTTCGACATTTCCAGCCCCCTTTAAATA	245	
Db	632	GATGACAAATATAATGCTTAAGTAGTGACATGTTTTTTCGACATTTCCAGCCCCCTTTAAATA	573	
Qy	246	TCCACACACACAGGAAGCACAAAAGGAAGCACACAGATCCCTGGGAGAAATGCCCGGCCG	305	
Db	572	TCCACACACACAGGAAGCACAAAAGGAAGCACACAGATCCCTGGGAGAAATGCCCGGCCG	513	
Qy	306	CCATCTTTGGGTTCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGGGAAGGACA	365	
Db	512	CCATCTTTGGGTTCATCGATGAGCCTCGCCCTGTGCTGGTCCCGCTGTGAGGGGAAGGACA	453	
Qy	366	TTAGAAAATGAATTGATGTGTTCTTAAAGATGGGACGAGAAAACAGATCCTGTTGTGGA	425	
Db	452	TTAGAAAATGAATTGATGTGTTCTTAAAGATGGGACGAGAAAACAGATCCTGTTGTGGA	393	
Qy	426	TATTTATTTTCAACGGGAATTACAGATTTGAAATGAAGTCACAAAAGTGAGCATTTACCAATGA	485	
Db	392	TATTTATTTTCAACGGGAATTACAGATTTGAAATGAAGTCACAAAAGTGAGCATTTACCAATGA	333	
Qy	486	GAGGAAAAACAGACGAGAAAAATCTTTGATGGCTTCAACAGACATGCAACAAAACAAAATGGA	545	

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Qy 666 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTCTC 725
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Qy 726 CATATATCAGGCACACTCATTTTAAATTTAGTTTCCAGATCTGATCTGAGACTTTTC 785
Db 92 CATATATCAGGCACACTCATTTTAAATTTAGTTTCCAGATCTGATCTGAGACTTTTC 33
Qy 786 TACACTGTAGATAACATTACTCAATTTTGTTC 817
Db 32 TACACTGTAGATAACATTACTCAATTTTGTTC 1
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RESULT 5

US-09-679-426-471/c

; Sequence 471, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C20

; CURRENT APPLICATION NUMBER: US/09/679,426

; CURRENT FILING DATE: 2000-10-02

; NUMBER OF SEQ ID NOS: 895

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-679-426-471

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Query Match 99.0%; Score 812; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 6 CTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGGAGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCGGGAGAGACCAGGAAGA 753
Qy 66 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTCACTT 125
Db 752 TCTGCATGTGGGAAGGACTGATGATACAGAGGTGAGAAATAAGAAAGGCTGCTCACTT 693
Qy 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 185
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Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAAATTAACATCACTAGAAACAGCAA 633
Qy 186 GATGCAATATATATCTTAAAGTAGTGACATGTTTTTGGACATTTCCAGCCCTTTAAATA 245
Db 632 GATGCAATATATATCTTAAAGTAGTGACATGTTTTTGGACATTTCCAGCCCTTTAAATA 573
Qy 246 TCCACACACACAGGAAGACAAAAGCAACAGAGATCCCTGGGAGAAATCCCGGGCGG 305
Db 572 TCCACACACACAGGAAGACAAAAGCAACAGAGATCCCTGGGAGAAATCCCGGGCGG 513
Qy 306 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGTGCTGTGCTGTGAGGAAAGGACA 365
Db 512 CCATCTTGGGTCAATCGATGAGCCTCGCCCTGTGTGCTGTGCTGTGAGGAAAGGACA 453
Qy 366 TTAGAAAATGAATGATGTGTTCTTAAAGATGGGAGGAAAACAGATCCCTGTTGTGGA 425
Db 452 TTAGAAAATGAATGATGTGTTCTTAAAGATGGGAGGAAAACAGATCCCTGTTGTGGA 393
Qy 426 TATTTTATTTGAACGGGATTTACAGATTTTGAATGAAAGTCAAAAGTGAGCATTTACCAATGA 485
Db 392 TATTTTATTTGAACGGGATTTACAGATTTTGAATGAAAGTCAAAAGTGAGCATTTACCAATGA 333
Qy 486 GAGGAAAAACAGACGAGAAAAATCTTCATGGCTTCAACAAGCATGCAACAAAATGGAA 545
Db 332 GAGGAAAAACAGACGAGAAAAATCTTCATGGCTTCAACAAGCATGCAACAAAATGGAA 273
Qy 546 TACTGTGATGACATGAGGAGCAGCTGGGAGGAGATTAACACGGGCGAGGGTCAG 605
Db 272 TACTGTGATGACATGAGGAGCAGCTGGGAGGAGATTAACACGGGCGAGGGTCAG 213
Qy 606 GATTCTGGCCCTGCTGCTTAAACTGTGGCTTCAATAACCAAAATCAATTTCTAATTTCTAACC 665
Db 212 GATTCTGGCCCTGCTGCTTAAACTGTGGCTTCAATAACCAAAATCAATTTCTAATTTCTAACC 153
Qy 666 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTCTC 725
Db 152 CTCAAAAACAAAGCTGTGTAAATATCTGATCTCTACGGTTTCTTGGGCGCCCAACATTCTC 93
Qy 726 CATATATCAGGCACACTCATTTTAAATTTAGTTTCCAGATCTGATCTGAGACTTTTC 785
Db 92 CATATATCAGGCACACTCATTTTAAATTTAGTTTCCAGATCTGATCTGAGACTTTTC 33
Qy 786 TACACTGTAGATAACATTACTCAATTTTGTTC 817
Db 32 TACACTGTAGATAACATTACTCAATTTTGTTC 1
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RESULT 6

US-09-759-143-471/c

; Sequence 471, Application US/09759143

; Patent No. 6800746

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqui

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedrick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.427C23

; CURRENT APPLICATION NUMBER: US/09/759,143

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; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-471

Query Match      99.0%; Score 812; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGACGCGAGGGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGACGCGAGGGAGACCAGGAAGA 753
QY 66 TCTGCGATGGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGCTGCTGACTT 125
Db 752 TCTGCGATGGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGCTGCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 185
Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 633
QY 186 GATGACAATATAATGTCTAAGTAGTGACATGTTTTTGGCAGATTTCCAGCCCTTTAAATA 245
Db 632 GATGACAATATAATGTCTAAGTAGTGACATGTTTTTGGCAGATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACAGAGGAGCAACAAAGGAAGCAACAGAGATCCCTGGGAGAAATGCCCGCG 305
Db 572 TCCACACACAGAGGAGCAACAAAGGAAGCAACAGAGATCCCTGGGAGAAATGCCCGCG 513
QY 306 CCATCTTGGGTGATCGATGAGCTCGCCCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 365
Db 512 CCATCTTGGGTGATCGATGAGCTCGCCCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 453
QY 366 TTAGAAAATGAATGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCTCTGTGTGGA 425
Db 452 TTAGAAAATGAATGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCTCTGTGTGGA 393
QY 426 TATTTATTGAACGGGATTACAGATTGAAATGAAGTCAAAAGTCAGCAATGAGCATTTACCAATGA 485
Db 392 TATTTATTGAACGGGATTACAGATTGAAATGAAGTCAAAAGTCAGCAATGAGCATTTACCAATGA 333
QY 486 GAGGAAAACAGACGAGAAAATCTTGTATGCTTCAAGACATGCAACAAACAAAATGGAA 545
Db 332 GAGGAAAACAGACGAGAAAATCTTGTATGCTTCAAGACATGCAACAAACAAAATGGAA 273
QY 546 TACTGTGATGATGAGGCGAGCAAGCTGGGAGGAGATAACCAACCGGGGAGGGGTGAG 605
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RESULT 7

US-09-651-236-471/c

; Sequence 471, Application US/09651236

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; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiongchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqun
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; CURRENT FILING DATE: 2000-08-29
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 471
; LENGTH: 812
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-471
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Query Match      99.0%; Score 812; DB 4; Length 812;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGACGCGAGGGAGACCAGGAAGA 65
Db 812 CTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGACGCGAGGGAGACCAGGAAGA 753
QY 66 TCTGCGATGGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGCTGCTGACTT 125
Db 752 TCTGCGATGGGGAAGGACCTGATGATACAGAGGTGAGAAATAGAAAGCTGCTGACTT 693
QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 185
Db 692 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 633
QY 186 GATGACAATATAATGTCTAAGTAGTGACATGTTTTTGGCAGATTTCCAGCCCTTTAAATA 245
Db 632 GATGACAATATAATGTCTAAGTAGTGACATGTTTTTGGCAGATTTCCAGCCCTTTAAATA 573
QY 246 TCCACACACAGAGGAGCAACAAAGGAAGCAACAGAGATCCCTGGGAGAAATGCCCGCG 305
Db 572 TCCACACACAGAGGAGCAACAAAGGAAGCAACAGAGATCCCTGGGAGAAATGCCCGCG 513
QY 306 CCATCTTGGGTGATCGATGAGCTCGCCCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 365
Db 512 CCATCTTGGGTGATCGATGAGCTCGCCCTGTGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 453
QY 366 TTAGAAAATGAATGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCTCTGTGTGGA 425
Db 452 TTAGAAAATGAATGATGTGTTCTTTAAAGGATGGGAGGAAACAGATCTCTGTGTGGA 393
QY 426 TATTTATTGAACGGGATTACAGATTGAAATGAAGTCAAAAGTCAGCAATGAGCATTTACCAATGA 485
Db 392 TATTTATTGAACGGGATTACAGATTGAAATGAAGTCAAAAGTCAGCAATGAGCATTTACCAATGA 333
QY 486 GAGGAAAACAGACGAGAAAATCTTGTATGCTTCAAGACATGCAACAAACAAAATGGAA 545
Db 332 GAGGAAAACAGACGAGAAAATCTTGTATGCTTCAAGACATGCAACAAACAAAATGGAA 273
QY 546 TACTGTGATGATGAGGCGAGCAAGCTGGGAGGAGATAACCAACCGGGGAGGGGTGAG 605
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Db 272 TACTGTGATGACATGAGCGAGCCAGCTGGGAGGAGATAAACACCGGGCAGAGGGTCAG 213
QY 606 GATTCCTGGCCCTGCTGCCATAACTGTGGCTTCATACCAAAATCATTTCTAACC 665
Db 212 GATTCCTGGCCCTGCTGCCATAACTGTGGCTTCATACCAAAATCATTTCTAACC 153
QY 666 CTCAAAACAAAGCTGTGTTAAATATCTGATCTCTACCGTTCTTCTGGGCCCAACATTTCTC 725
Db 152 CTCAAAACAAAGCTGTGTTAAATATCTGATCTCTACCGTTCTTCTGGGCCCAACATTTCTC 93
QY 726 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTCTA CTGTGACCTTTC 785
Db 92 CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTCTA CTGTGACCTTTC 33
QY 786 TACACTGTAGAATAAATCACTACTCATTTTGTTC 817
Db 32 TACACTGTAGAATAAATCACTACTCATTTTGTTC 1

RESULT 8

US-09-439-313-469/c
; Sequence 469, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-469

Query Match 88.3%; Score 724; DB 3; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATTAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATG 216
Db 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATG 1657
QY 217 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276
Db 1656 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1597
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTCATCGATGAGCCCTCGCCCTG 336
Db 1596 CAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTCATCGATGAGCCCTCGCCCTG 1537
QY 337 TGCTGTGTCCTGGTGTGAGGGAAGGACATAGAAAATGAATGATGTGTTCTCTTAAGG 396
Db 1536 TGCTGTGTCCTGGTGTGAGGGAAGGACATAGAAAATGAATGATGTGTTCTCTTAAGG 1477

QY 397 ATGGGCGAGAAACAGATCCTGTTGGGATATTTATTTGAACGGGATTAACAGATTTGAAA 456
Db 1476 ATGGGCGAGAAACAGATCCTGTTGGGATATTTATTTGAACGGGATTAACAGATTTGAAA 1417
QY 457 TGAAGTCAAAAGTGAAGCATTTACCAATGAGAGGAAAACAGAGAGAAAATCTTGATGGCT 516
Db 1416 TGAAGTCAAAAGTGAAGCATTTACCAATGAGAGGAAAACAGAGAGAAAATCTTGATGGCT 1357
QY 517 TCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCAAGCAAGCTGGG 576
Db 1356 TCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGCAAGCAAGCTGGG 1297
QY 577 GAGGAGATAACCAACGGGGCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 636
Db 1296 GAGGAGATAACCAACGGGGCAGAGGGTCAAGATTTCTGGCCCTGCTGCTTAAACTGTGCGTT 1237
QY 637 CATTAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1236 CATTAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCT 1177
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCATTTTAAATAT 756
Db 1176 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATATCCAGCCACACTCATTTTAAATAT 1117
QY 757 TAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGAAATAACATTAATCTCAATTTGTT 816
Db 1116 TAGTTCCAGATCTGTACTGTGACCTTTCTACATGTAGAAATAACATTAATCTCAATTTGTT 1057
QY 817 CAAA 820
Db 1056 CAAA 1053

RESULT 9

US-09-352-616A-469/c
; Sequence 469, Application US/09352616A
; Patent No. 6395278
; GENERAL INFORMATION:
; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqui
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-352-616A-469

Query Match 88.3%; Score 724; DB 3; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATTAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATG 216
Db 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGCTTAAGTAGTGACATG 1657
QY 217 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 276
Db 1656 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCA 1597
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTCATCGATGAGCCCTCGCCCTG 336

1596	DB	CAGAGATCCCTGGAGAGAAATGCCCGGCCCATCTTGGGTCAATCGATGAGCCTCGCCCTG	1537
337	QY	TGCTGTGTCCTGGTGTGAGGGAAGGACATTTAGAAAAATGAAATGATGTGTTCTTAAAGG	396
1536	DB	TGCTGTGTCCTGGTGTGAGGGAAGGACATTTAGAAAAATGAAATGATGTGTTCTTAAAGG	1477
397	QY	ATGGGCAAGGAACACAGATCCTGTTGTGGATATTTTATTTGAACGGGATTACAGATTGAAA	456
1476	DB	ATGGGCAAGGAACACAGATCCTGTTGTGGATATTTTATTTGAACGGGATTACAGATTGAAA	1411
457	QY	TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT	516
1416	DB	TGAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT	1357
517	QY	TCACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGCGAGCACAAGCTGGG	576
1356	DB	TCACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGCGAGCACAAGCTGGG	1297
577	QY	GAGGAGATAACCAAGGCGCAGAGGTCAGAGATTTCTGGCCCTGCTGCGCCTAAACCTGGCGTT	636
1296	DB	GAGGAGATAACCAAGGCGCAGAGGTCAGAGATTTCTGGCCCTGCTGCGCCTAAACCTGGCGTT	1237
637	QY	CATAACCAAAATCAATTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCT	696
1236	DB	CATAACCAAAATCAATTCATATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCT	1177
697	QY	CTACGGTTCTTCTGGGCGCCAAATTCCTGCATATATCAGGCACACATCAATTTTAATATT	756
1176	DB	CTACGGTTCTTCTGGGCGCCAAATTCCTGCATATATCAGGCACACATCAATTTTAATATT	1117
757	QY	TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCTATTTTGTT	816
1116	DB	TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCTATTTTGTT	1057
817	QY	CAAA 820	
1056	DB	CAAA 1053	

RESULT 10

US-09-636-215-469/c
; Sequence 469, Application US/09636215

: GENERAL INFORMATION:

```

/ GENERATED INFORMATION:
/ APPLICANT: Xu, Jiaangchun
/ APPLICANT: Dillon, Davin C.
/ APPLICANT: Mitcham, Jennifer L.
/ APPLICANT: Harlocker, Susan L.
/ APPLICANT: Jiang, Yuqui
/ APPLICANT: Henderson, Robert A.
/ APPLICANT: Kalos, Michael D.
/ APPLICANT: Fanger, Gary R.
/ APPLICANT: Retter, Marc W.
/ APPLICANT: Stolk, John A.
/ APPLICANT: Day, Craig H.
/ APPLICANT: Vedvick, Thomas S.
/ APPLICANT: Carter, Darrick
/ APPLICANT: Li, Samuel
/ APPLICANT: Wang, Aijun
/ APPLICANT: Skeiky, Yasir A.W.
/ APPLICANT: Hepler, William
/ TITLE OF INVENTION: COMPOSITIONS AND METHODS
/ TITLE OF INVENTION: DIAGNOSIS OF PROSTATE
/ TITLE OF INVENTION: 21021.42717C17
/ FILE REFERENCE: 21021.42717C17
/ CURRENT APPLICATION NUMBER: US/09/636,215
/ CURRENT FILING DATE: 2000-08-10
/ NUMBER OF SEQ ID NOS: 852
/ SOFTWARE: FastSeq for Windows Version 3.0
/ SEQ ID NO 469
/ LENGTH: 2229
/ TYPE: DNA
/ ORGANISM: Homo sapiens

```

RESULT 11

RESULT II
US-09-685-166A-469/c
: Sequence 469. Application US/09685166A

FACEID NO. 6630303
: GENERAL INFORMATION:

; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Micham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.

APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C21
CURRENT APPLICATION NUMBER: US/09/685,166A
CURRENT FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 898
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-685-166A-469

Query Match 88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 1657

QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGGAAGCA 276
DB 1656 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAATGCCCGCGCCATCTTGGGTTCATGATGAGCCTCGCCCTG 336
DB 1596 CAGAGATCCCTGGGAGAATGCCCGCGCCATCTTGGGTTCATGATGAGCCTCGCCCTG 1537

QY 337 TGCTGTGCTCCCTGTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTCTTAAAGG 396
DB 1536 TGCTGTGCTCCCTGTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTCTTAAAGG 1477

QY 397 ATGGGAGAAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTCAGATTTGAAA 456
DB 1476 ATGGGAGAAAACAGATCCTGTGTGGATATTTATTTTGAACGGGATTCAGATTTGAAA 1417

QY 457 TGAAGTCAAAAGTGAAGCAATACCAATGAGAGAAAACAGAGAGAAAATCTTGATGGCT 516
DB 1416 TGAAGTCAAAAGTGAAGCAATACCAATGAGAGAAAACAGAGAGAAAATCTTGATGGCT 1357

QY 517 TCACAAGACATGCAACAAAATGGAATACTGTGATGACATGAGGCGCAAGCTGGG 576

QY 817 CAAA 820
DB 1056 CAAA 1053

RESULT 12
US-09-679-426-469/c
Sequence 469, Application US/09679426
Patent No. 6759515
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yuqi
APPLICANT: Henderson, Robert A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
APPLICANT: Retter, Marc W.
APPLICANT: Stolk, John A.
APPLICANT: Day, Craig H.
APPLICANT: Vedvick, Thomas S.
APPLICANT: Carter, Darrick
APPLICANT: Li, Samuel
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
APPLICANT: Hepler, William
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.427C20
CURRENT APPLICATION NUMBER: US/09/679,426
CURRENT FILING DATE: 2000-10-02
NUMBER OF SEQ ID NOS: 895
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 469
LENGTH: 2229
TYPE: DNA
ORGANISM: Homo sapiens
US-09-679-426-469

Query Match 88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACAATAATGTCTAAAGTAGTGACATG 1657

QY 217 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGGAAGCA 276
DB 1656 TTTTGTGCACATTTCCAGCCCTTTAAATATCCACACACAGCAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAATGCCCGCGCCATCTTGGGTTCATGATGAGCCTCGCCCTG 336
DB 1596 CAGAGATCCCTGGGAGAATGCCCGCGCCATCTTGGGTTCATGATGAGCCTCGCCCTG 1537

QY 337 TGCTGTGCTCCCTGTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTCTTAAAGG 396
DB 1536 TGCTGTGCTCCCTGTGTGAGGGAAGGACATTAGAAAATGAATTTGATGTCTTAAAGG 1477

QY 397 ATGGGAGAAAACAGATCCTGTGTGGATATTTATTTGAAACGGGATTCAGATTTGAAA 456
DB 1476 ATGGGAGAAAACAGATCCTGTGTGGATATTTATTTTGAACGGGATTCAGATTTGAAA 1417

QY 457 TGAAGTCAAAAGTGAAGCAATACCAATGAGAGAAAACAGAGAGAAAATCTTGATGGCT 516
DB 1416 TGAAGTCAAAAGTGAAGCAATACCAATGAGAGAAAACAGAGAGAAAATCTTGATGGCT 1357

QY 517 TCACAAGACATGCAACAAAATGGAATACTGTGATGACATGAGGCGCAAGCTGGG 576


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; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-651-236-469

Query Match      88.3%; Score 724; DB 4; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAAATG 156
Db 1776 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATAATTAACATCACTAGAACACAGACAGATGACATATATGTTCTAAGTAGTGACATG 216
Db 1716 GAGATAATTAACATCACTAGAACACAGACAGATGACATATATGTTCTAAGTAGTGACATG 1657
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAGGAAGCA 276
Db 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAACACAAAGGAAGCA 1597
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 336
Db 1596 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 1537
QY 337 TGCCTGGTCCCGCTTGTGAGGAGACATTTAGAAAATGAATTTGATGTTCTTAAAGG 396
Db 1536 TGCCTGGTCCCGCTTGTGAGGAGACATTTAGAAAATGAATTTGATGTTCTTAAAGG 1477
QY 397 ATGGGAGAGAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 456
Db 1476 ATGGGAGAGAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 1417
QY 457 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 516
Db 1416 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 1357
QY 517 TCACAGACATGCAACAAACAAATCGAATCTGATGACATGAGGAGGAGGAGGAGGAGGAGG 576
Db 1356 TCACAGACATGCAACAAACAAATCGAATCTGATGACATGAGGAGGAGGAGGAGGAGG 1297
QY 577 GAGGAGATTAACACGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 636
Db 1296 GAGGAGATTAACACGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1237
QY 637 CATACCAAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1236 CATACCAAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 1177
QY 697 CTACGGTTCCTTCTGGGCCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 756
Db 1176 CTACGGTTCCTTCTGGGCCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 1117
QY 757 TAGTTCACAGATCTGATCTGAGACCTTTCTACACTGTAGAAATACATTTACTCATTTTGT 816
Db 1116 TAGTTCACAGATCTGATCTGAGACCTTTCTACACTGTAGAAATACATTTACTCATTTTGT 1057
QY 817 CAAA 820
Db 1056 CAAA 1053

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RESULT 15
US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitchem, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.

; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470

Query Match      88.3%; Score 724; DB 3; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711
QY 157 GAGATAATTAACATCACTAGAACACAGCAAGATGACATATATGTTCTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACAGCAAGATGACATATATGTTCTAAGTAGTGACATG 1651
QY 217 TTTTTCGACATTTCCAGCCCTTTAAATATCCACACACACAGAGAACACAAAGGAAGCA 276
Db 1650 TTTTTCGACATTTCCAGCCCTTTAAATATCCACACACACAGAGAACACAAAGGAAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTTCATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGGTCCCGCTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 396
Db 1530 TGCCTGGTCCCGCTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1471
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Db 1470 ATGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1411
QY 457 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 516
Db 1410 TGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 1351
QY 517 TCACAGACATGCAACAAACAAATCGAATCTGATGACATGAGGAGGAGGAGGAGGAGGAGGAGG 576
Db 1350 TCACAGACATGCAACAAACAAATCGAATCTGATGACATGAGGAGGAGGAGGAGGAGGAGG 1291
QY 577 GAGGAGATAACACACGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 636
Db 1290 GAGGAGATAACACACGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1231
QY 637 CATACCAAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATACCAAAATCAATTTTCAATTTCTAAACCTTCAAAACAAAGCTGTTGTAATATCTGATCT 1171
QY 697 CTACGGTTCCTTCTGGGCCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 756
Db 1170 CTACGGTTCCTTCTGGGCCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAAATAT 1111
QY 757 TAGTTCACAGATCTGATCTGAGACCTTTCTACACTGTAGAAATACATTTACTCATTTTGT 816
Db 1110 TAGTTCACAGATCTGATCTGAGACCTTTCTACACTGTAGAAATACATTTACTCATTTTGT 1051
QY 817 CAAA 820
Db 1050 CAAA 1047

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Job time : 133.224 secs

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 6, 2005, 13:12:33 ; Search time 468.952 Seconds
(without alignments)
10596.400 Million cell updates/sec

Title: US-09-402-713A-4

Perfect score: 820

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Searched: 5615251 seqs, 3030001701 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	812	99.0	812	9	US-09-780-669-471
4	812	99.0	812	9	US-09-822-827-471
5	812	99.0	812	9	US-09-895-793-471
6	812	99.0	812	9	US-09-895-814-471
7	812	99.0	812	13	US-10-012-896-471
8	812	99.0	812	14	US-10-010-940-471
9	812	99.0	812	16	US-10-144-678A-471
10	812	99.0	812	16	US-10-294-025-471
11	724	88.3	2229	9	US-09-759-143-469

c 12	724	88.3	2229	9	US-09-780-669-469	Sequence 469, App
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c 14	724	88.3	2229	9	US-09-895-793-469	Sequence 469, App
c 15	724	88.3	2229	9	US-09-895-814-469	Sequence 469, App
c 16	724	88.3	2229	13	US-10-012-896-469	Sequence 469, App
c 17	724	88.3	2229	14	US-10-010-940-469	Sequence 469, App
c 18	724	88.3	2229	16	US-10-144-678A-469	Sequence 469, App
c 19	724	88.3	2229	16	US-10-294-025-469	Sequence 469, App
c 20	724	88.3	2426	9	US-09-759-143-470	Sequence 470, App
c 21	724	88.3	2426	9	US-09-780-669-470	Sequence 470, App
c 22	724	88.3	2426	9	US-09-822-827-470	Sequence 470, App
c 23	724	88.3	2426	9	US-09-895-793-470	Sequence 470, App
c 24	724	88.3	2426	9	US-09-895-814-470	Sequence 470, App
c 25	724	88.3	2426	13	US-10-012-896-470	Sequence 470, App
c 26	724	88.3	2426	14	US-10-010-940-470	Sequence 470, App
c 27	724	88.3	2426	15	US-10-205-823-448	Sequence 448, App
c 28	724	88.3	2426	16	US-10-144-678A-470	Sequence 470, App
c 29	724	88.3	2426	16	US-10-294-025-470	Sequence 470, App
c 30	724	88.3	3112	9	US-09-759-143-468	Sequence 468, App
c 31	724	88.3	3112	9	US-09-780-669-468	Sequence 468, App
c 32	724	88.3	3112	9	US-09-822-827-468	Sequence 468, App
c 33	724	88.3	3112	9	US-09-895-793-468	Sequence 468, App
c 34	724	88.3	3112	9	US-09-895-814-468	Sequence 468, App
c 35	724	88.3	3112	13	US-10-012-896-468	Sequence 468, App
c 36	724	88.3	3112	14	US-10-010-940-468	Sequence 468, App
c 37	724	88.3	3112	16	US-10-144-678A-468	Sequence 468, App
c 38	724	88.3	3112	16	US-10-294-025-468	Sequence 468, App
c 39	723	88.2	3923	9	US-09-759-143-690	Sequence 690, App
c 40	723	88.2	3923	9	US-09-780-669-690	Sequence 690, App
c 41	723	88.2	3923	9	US-09-822-827-690	Sequence 690, App
c 42	723	88.2	3923	9	US-09-895-793-690	Sequence 690, App
c 43	723	88.2	3923	9	US-09-895-814-690	Sequence 690, App
c 44	723	88.2	3923	13	US-10-012-896-690	Sequence 690, App
c 45	723	88.2	3923	15	US-10-205-823-316	Sequence 316, App

ALIGNMENTS

RESULT 1

US-09-957-708-3

Sequence 3, Application US/09957708

Publication No. US20030031678A1

GENERAL INFORMATION:

APPLICANT: Sun, Yongming

APPLICANT: Recipon, Herve

APPLICANT: Cafferkey, Robert

APPLICANT: Ali, Shujath

TITLE OF INVENTION: Compositions and Methods Relating to Prostate Specific

FILE REFERENCE: DEX-0239

CURRENT APPLICATION NUMBER: US/09/957,708

PRIOR FILING DATE: 2001-09-19

PRIOR APPLICATION NUMBER: 60/233,746

PRIOR FILING DATE: 2000-09-19

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn Ver. 2.1

SEQ ID NO 3

LENGTH: 876

TYPE: DNA

ORGANISM: Homo sapiens

US-09-957-708-3

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Best Local Similarity	100.0%	Pred. No. 0;		
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Db	30	AGAGCTGCATCAGAAAAACAGAGGGGAGATTGTGTGGCTGCACCGGAGACAG	89	
QY	61	GAAGATCTCATGTGTGGGAAGGACCTGTATGATACAGAGTGAGAAATAGAAAGCTGCT	120	

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APPLICANT:	Retter, Marc W.	606	GATTCGGCCCTGCTGCTAAACCTGCGTTTCATAACCAAAATCATTTTCTAATTTCTTAACC	665
APPLICANT:	Stolk, John A.	212	GATTCGGCCCTGCTGCTAAACCTGCGTTTCATAACCAAAATCATTTTCTAATTTCTTAACC	153
APPLICANT:	Day, Craig H.	666	CTCAAAACAAAGCTGTTGAATATCTGATCTCTACGGTTCTTCTGGGCGCCACATTTCTC	725
APPLICANT:	Vedvick, Thomas S.	152	CTCAAAACAAAGCTGTTGAATATCTGATCTCTACGGTTCTTCTGGGCGCCACATTTCTC	93
APPLICANT:	Carter, Darrick	726	CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTTC	785
APPLICANT:	Li, Samuel X.	92	CATATATCCAGCCACACTCATTTTAAATATTTAGTTCCAGATCTGTGACCTTTTC	33
APPLICANT:	Wang, Aijun	786	TACACTGTGAGATAACACTTACTCTTTTGTTC	817
APPLICANT:	Skeiky, Yasir A.W.	32	TACACTGTGAGATAACACTTACTCTTTTGTTC	1
APPLICANT:	Hepler, William T.			
APPLICANT:	Henderson, Robert A.			
APPLICANT:	McNeill, Patricia D.			
APPLICANT:	Houghton, Raymond L.			
APPLICANT:	Vinals de Bassols, Carlota			
APPLICANT:	Foy, Teresa			
APPLICANT:	Fanger, Gary R.			
TITLE OF INVENTION:	COMPOSITIONS AND METHODS FOR THE THERAPY AND			
FILE REFERENCE:	210121.427C26			
CURRENT APPLICATION NUMBER:	US/09/895,814			
CURRENT FILING DATE:	2001-06-29			
NUMBER OF SEQ ID NOS:	990			
SOFTWARE:	FastSeq for Windows Version 3.0			
SEQ ID NO 471				
LENGTH:	812			
TYPE:	DNA			
ORGANISM:	Homo sapiens			
US-09-895-814-471				
Query Match	99.0%; Score 812; DB 9; Length 812;			
Best Local Similarity	100.0%; Pred. No. 0;			
Matches 812; Conservative	0; Mismatches 0; Indels 0; Gaps 0;			
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DB	812	CTGGCATCAGAAAAACAGAGCGGAGATTTCTGTGGCTGCGAGCGAGGAGACCCAGGA	753	
QY	66	TTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	125	
DB	752	TTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT	693	
QY	126	TACATCTGAGGCGACACATCTCTGAAATGGAGATAATTAACATCACTAGAAACAGCA	185	
DB	692	TACATCTGAGGCGACACATCTCTGAAATGGAGATAATTAACATCACTAGAAACAGCA	633	
QY	186	GATGACAAATATATGTTCTAGTAGTACATGTTTTTGCATTTCCAGCCCTTTAAATA	245	
DB	632	GATGACAAATATATGTTCTAGTAGTACATGTTTTTGCATTTCCAGCCCTTTAAATA	573	
QY	246	TCACACACACAGGAAGCACAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGG	305	
DB	572	TCACACACACAGGAAGCACAAGGAAGCAGAGATCCCTGGGAGAAATGCCCGCGG	513	
QY	306	CCATCTTGGGTGATCGATGAGCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG	365	
DB	512	CCATCTTGGGTGATCGATGAGCCCTGCGCTGCTGCTGCTGCTGCTGCTGCTGCTG	453	
QY	366	TTAGAAAAATGAATTTGATGTTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAG	425	
DB	452	TTAGAAAAATGAATTTGATGTTCTTAAAGGATGGGAGGAGGAGGAGGAGGAGGAG	393	
QY	426	TATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA	485	
DB	392	TATTTATTTGAACGGGATTAACAGATTTGAATGAAGTCAAAAGTGAGCATTTACCAATGA	333	
QY	486	GAGAAAAACAGCAGAGAAATCTTGATGGCTTCAAGACATGCAACAAATGGAA	545	
DB	332	GAGAAAAACAGCAGAGAAATCTTGATGGCTTCAAGACATGCAACAAATGGAA	273	
QY	546	TACTGTGATGACATGAGGAGCAACCTGGGAGGAGATTAACCAAGGAGGAGGAGGAG	605	
DB	272	TACTGTGATGACATGAGGAGCAACCTGGGAGGAGATTAACCAAGGAGGAGGAGGAG	213	

RESULT 7

US-10-012-896-471/c

; Sequence 471, Application US/10012896

; Publication No. US20020183251A1

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqiu

; APPLICANT: Kalos, Michael D.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedvick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel X.

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William T.

; APPLICANT: Henderson, Robert A.

; APPLICANT: Hural, John

; APPLICANT: McNeill, Patricia D.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: Vinals de Bassols, Carlota

; APPLICANT: Foy, Teresa

; APPLICANT: Fanger, Gary R.

; APPLICANT: Wantanabe, Yoshihiro

; APPLICANT: Meagher, Madeleine Joy

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; FILE REFERENCE: 210121.427C27

; CURRENT APPLICATION NUMBER: US/10/012,896

; CURRENT FILING DATE: 2001-12-10

; NUMBER OF SEQ ID NOS: 1011

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 471

; LENGTH: 812

; TYPE: DNA

; ORGANISM: Homo sapiens

; US-10-012-896-471

Query Match 99.0%; Score 812; DB 13; Length 812;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 812; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 812 CTGGCATCAGAAAAACAGAGCGGAGATTTGTGGCTGCGAGCGGAGAGACCCAGGA 753

QY 66 TTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 125

DB 752 TTGTCATGTTGGGAAGACCTGATGATACAGAGGTGAGAAATAGAAAGGCTGCTGACTT 693

QY 126 TACCATCTGAGGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAA 185

; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-780-669-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATG 1657
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA 276
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DB 1596 CAGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTGGGTCTCGATGAGCCTCGCCCTG 1537
QY 337 TGCCTGCTCCGCTGTGTGAGGAAGACATTTAGAAATGAATGTGTCTCTTAAAGG 396
DB 1536 TGCCTGCTCCGCTGTGTGAGGAAGACATTTAGAAATGAATGTGTCTCTTAAAGG 1477
QY 397 ATGGGAGGAAAAACAGATCCTGTGTGGATATTTTGAACGGGATTAAGATTTGAAA 456
DB 1476 ATGGGAGGAAAAACAGATCCTGTGTGGATATTTTGAACGGGATTAAGATTTGAAA 1417
QY 457 TGAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT 516
DB 1416 TGAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT 1357
QY 517 TCACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGATGAGGAGCAAGCTGGG 576
DB 1356 TCACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGAGGAGCAAGCTGGG 1297
QY 577 GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 636
DB 1296 GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 1237
QY 637 CATAACCAATATTTCAATATTTCTAACCCCTAAACAAAGCTGTTGTAATATCTGATCT 696
DB 1236 CATAACCAATATTTCAATATTTCTAACCCCTAAACAAAGCTGTTGTAATATCTGATCT 1177
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAATAT 756
DB 1176 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAATAT 1117
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCAATTTTGT 816
DB 1116 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCAATTTTGT 1057
QY 817 CAAA 820
DB 1056 CAAA 1053

RESULT 13

US-09-822-827-469/c

; Sequence 469, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C1
; CURRENT APPLICATION NUMBER: US/09/822,827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717
QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATG 216
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QY 457 TGAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT 516
DB 1416 TGAAGTCAAAAGTGAAGTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT 1357
QY 517 TCACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGAGGAGCAAGCTGGG 576
DB 1356 TCACAAGACATGCAACAAACAAATGGAATGGAATGATGATGATGAGGAGCAAGCTGGG 1297
QY 577 GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 636
DB 1296 GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT 1237
QY 637 CATAACCAATATTTCAATATTTCTAACCCCTAAACAAAGCTGTTGTAATATCTGATCT 696
DB 1236 CATAACCAATATTTCAATATTTCTAACCCCTAAACAAAGCTGTTGTAATATCTGATCT 1177
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAATAT 756
DB 1176 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACATCTCAATTTTAATAT 1117
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCAATTTTGT 816
DB 1116 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCAATTTTGT 1057
QY 817 CAAA 820
DB 1056 CAAA 1053

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RESULT 14
US-09-895-793-469/c
; Sequence 469, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hepler, William T.
; APPLICANT: Hurl, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.5342
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATG 216
DB 1716 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATG 1657

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 276
DB 1656 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1597

QY 277 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTGATCGATGAGCCCTGCGCCCTG 336
DB 1596 CAGAGATCCCTGGGAGAAATGCCCGCGCCATCTTGGGTGATCGATGAGCCCTGCGCCCTG 1537

QY 337 TGCCTGCTCCGCTTGTGAGGAGGACATTAAGAAATGAATGATGCTTCTTAAAGG 396
DB 1536 TGCCTGCTCCGCTTGTGAGGAGGACATTAAGAAATGAATGATGCTTCTTAAAGG 1477

QY 397 ATGGGAGGAAACACAGATCCTGTTGTGGATATTTTGAACGGGATTACAGATTTGAAA 456
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QY 577 GAGGAGATAAACACCGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACCTGTGCGTT 636
DB 1296 GAGGAGATAAACACCGGGGAGAGGGTCAAGATTTCTGGCCCTGCTGCTAAACCTGTGCGTT 1237

QY 637 CATAACCAATCATTTCTAATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCTGATCT 696
DB 1236 CATAACCAATCATTTCTAATTTCTAACCCCTCAAAACAAAGCTGTGTAATATCTGATCT 1177

QY 697 CTACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 756
DB 1176 CTACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCATTTTAAATAT 1117

QY 757 TAGTTCCCAAGATCTGTACTGTGACCTTTCTACATGTTAGAAATAACATTAATTTGTT 816
DB 1116 TAGTTCCCAAGATCTGTACTGTGACCTTTCTACATGTTAGAAATAACATTAATTTGTT 1057

QY 817 CAAA 820
DB 1056 CAAA 1053

RESULT 15
US-09-895-814-469/c
; Sequence 469, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hurl, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 469
; LENGTH: 2229
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-469

Query Match 88.3%; Score 724; DB 9; Length 2229;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 724; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
DB 1776 AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1717

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Qy	217	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCAACAAGGAGCA	276
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Db	1596	CAGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTATCGATGAGCCTCGCCCTG	1537
Qy	337	TGCTGGTCCCGCTTGTGAGGAGACATAGAAAATGAATGTATGTCTCTTAAAGG	396
Db	1536	TGCTGGTCCCGCTTGTGAGGAGACATAGAAAATGAATGTATGTCTCTTAAAGG	1477
Qy	397	ATGGGCAGGAAACAGATCTGTGTGGATATTTATTTGAAACGGGATTACAGATTTGAAA	456
Db	1476	ATGGGCAGGAAACAGATCTGTGTGGATATTTATTTGAAACGGGATTACAGATTTGAAA	1417
Qy	457	TGAAGTCACAAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAAATCTTGATGGCT	516
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Db	1296	GAGGAGATAACCAACGGGCGAGGGGTACAGGATTCGGCCCTGCTGCTAAACGTGCGTT	1237
Qy	637	CATAACCAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT	696
Db	1236	CATAACCAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGTAATATCTGATCT	1177
Qy	697	CTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATTT	756
Db	1176	CTACGGTTCCCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACTCATTTTTTAATTT	1117
Qy	757	TAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATTTGTT	816
Db	1116	TAGTTCCCAAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTAATTTGTT	1057
Qy	817	CAAA 820	
Db	1056	CAAA 1053	

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Post-processing: Listing first 45 summaries

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SUMMARIES

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2	1367	73.0	3923	4	US-09-685-166A-690
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4	1367	73.0	3923	4	US-09-685-166A-690
5	1367	73.0	3923	4	US-09-685-166A-690
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C	30	812	43.4	812	4	US-09-685-166A-471	Sequence 471, App
C	31	812	43.4	812	4	US-09-679-426-471	Sequence 471, App
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C	33	812	43.4	812	4	US-09-651-236-471	Sequence 471, App
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C	35	257	13.7	718	3	US-09-439-313-313	Sequence 313, App
C	36	257	13.7	718	3	US-09-352-616A-313	Sequence 313, App
C	37	257	13.7	718	3	US-09-232-149A-313	Sequence 313, App
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C	39	257	13.7	718	4	US-09-685-166A-313	Sequence 313, App
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C	41	257	13.7	718	4	US-09-679-426-313	Sequence 313, App
C	42	257	13.7	718	4	US-09-759-143-313	Sequence 313, App
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C	45	179	9.6	301	3	US-09-439-313-287	Sequence 287, App

ALIGNMENTS

RESULT 1
US-09-636-215-690
; Sequence 690, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-636-215-690

Query Match	73.0%;	Score 1367;	DB 4;	Length 3923;
Best Local Similarity	99.5%;	Pred. No. 0;		
Matches 1767;	Conservative 0;	Mismatches 8;	Indels 0;	Gaps 0;
QY	98	GGTGAATAAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG	157	
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QY	158	AGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATGT	217	
Db	345	AGATAATTAACATCACTAGAAACAGCAAGATGACATATATGCTTAAGTAGTGACATGT	404	
QY	218	TTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAAGGAGCAC	277	
Db	405	TTTTCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCAAAAAGGAGCAC	464	

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 QY 338 GCCTGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGTCTTCTTAAAGGA 397
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 QY 525 GCCTGTCCCGCTTGTGAGGAGGACATTTAGAAAATGAATGATGTCTTCTTAAAGGA 584
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 QY 398 TGGGCAAGGAAAACAGATCCCTGTGTGGATATTTATTTGAAACGGGATTAAGATTTGAAAT 457
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 QY 585 TGGGCAAGGAAAACAGATCCCTGTGTGGATATTTATTTGAAACGGGATTAAGATTTGAAAT 644
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 QY 1185 TTGCCCATCTGAAATTTCTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1244
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 QY 1305 CAGCTATGGGAATTTAATACATATTTTGTGTTTCCAGTCAAGATGACTAAGTCTTTTA 1364
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 QY 1178 TCCCTCCCTTCTGTTGATTTTTCAGTATAAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 1237
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 QY 1365 TCCCTCCCTTCTGTTGATTTTTCAGTATAAAAGTAAAGTAAAGTAAAGTAAAGTAAAGTAAAG 1424
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 QY 1425 AGGCTGTATACAGCAGGCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1484
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 QY 1298 CCCTCCCATNYSACCTAAACAAATCTAATCTGATTTGATTTGATTTGATTTGATTTGATTTGAT 1357
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QY 1358 ATTTTCCTTCTGCTGAGAGCTCTTCTTCTTAAATCTAGAATGATGATGATGATGATGATGATG 1417
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 QY 1545 ATTTTCCTTCTGCTGAGAGCTCTTCTTCTTAAATCTAGAATGATGATGATGATGATGATGATG 1604
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 QY 1725 ATGCAAGACCCACAGAGGGAATGTTTATGGGCACTTTTGAAGCCTGGGATGTGAAGMA 1784
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 QY 1778 TGAGATGCTTGTCTTCTTGTAGTTAATTTGAAGAAATAGGCACTCTTGTGAGGCACTTTT 1837
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 QY 1965 TGAGATGCTTGTCTTCTTGTAGTTAATTTGAAGAAATAGGCACTCTTGTGAGGCACTTTT 2024
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 QY 1838 AGGTTTCATCTCTGCAATATAAGAAATTTTACAAGA 1872
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RESULT 2

US-09-685-166A-690
 ; Sequence 690, Application US/09685166A
 ; Patent No. 6630305
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darriek
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C21
 ; CURRENT APPLICATION NUMBER: US/09/685,166A
 ; CURRENT FILING DATE: 2000-10-10
 ; NUMBER OF SEQ ID NOS: 898
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; US-09-685-166A-690

Query Match 73.0%; Score 1367; DB 4; Length 3923;

Best Local Similarity 99.5%; Pred. No. 0; Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;			
QY	98	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	157
Db	285	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	344
QY	158	AGATAATTAACATCACTAGAGAAACAGCAAGATGACATATATATCTCTAAAGTAGTACATGT	217
Db	345	AGATAATTAACATCACTAGAGAAACAGCAAGATGACATATATATCTCTAAAGTAGTACATGT	404
QY	218	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAGGAGGCAC	277
Db	405	TTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAGGAGGCAC	464
QY	278	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCCCTGT	337
Db	465	AGAGATCCCTGGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCTCGCCCTGT	524
QY	338	GCCTGTCCTGCTGTGAGGAAAGGACATTTAGAAATGAATGATGTGTTCTTAAAGGA	397
Db	525	GCCTGTCCTGCTGTGAGGAAAGGACATTTAGAAATGAATGATGTGTTCTTAAAGGA	584
QY	398	TGGGAGGAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTCAGATTTGAAT	457
Db	585	TGGGAGGAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTCAGATTTGAAT	644
QY	458	GAAATCACAAGATGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTCATGGCTT	517
Db	645	GAAATCACAAGATGAGCATTTACCAATGAGAGGAAACACAGACGAGAAATCTTCATGGCTT	704
QY	518	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGG	577
Db	705	CACAAGACATGCAACAAACAAATGGAATCTGTGATGACATGAGGAGCAGCAAGCTGGGG	764
QY	578	AGGAGATACCCAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAACTGTGGTTC	637
Db	765	AGGAGATACCCAGGGGAGAGGGTCAGGATTTCTGGCCCTGCTGCCCTAACTGTGGTTC	824
QY	638	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTATATCTGATCTC	697
Db	825	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGCTGTGTATATCTGATCTC	884
QY	698	TACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACATCATTTTAAATATT	757
Db	885	TACGGTTCCTTCTGGGCCCAACATTTCCATATATCCAGCCACATCATTTTAAATATT	944
QY	758	AGTTCCACAGATCTGTACTGTGACCTTTCTACACTGTAGATATACATTTCTGTTTC	817
Db	945	AGTTCCACAGATCTGTACTGTGACCTTTCTACACTGTAGATATACATTTCTGTTTC	1004
QY	818	AAAGACCTTTCGTGTTGCTGCCCTAATATGTAGTGTGACTGTTTTCCTAAGGAGTGTCTG	877
Db	1005	AAAGACCTTTCGTGTTGCTGCCCTAATATGTAGTGTGACTGTTTTCCTAAGGAGTGTCTG	1064
QY	878	GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTATATCTTA	937
Db	1065	GCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGGTATATCTTA	1124
QY	938	CTAGCACACAGCATGATCATATTACGGAGTGAATTTATCTATCAACATCTCCTCAGTGTCT	997
Db	1125	CTAGCACACAGCATGATCATATTACGGAGTGAATTTATCTATCAACATCTCCTCAGTGTCT	1184
QY	998	TTGCCCATATCTGAAATTCATTTTCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1057
Db	1185	TTGCCCATATCTGAAATTCATTTTCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1244
QY	1058	TTCCATTAATATCACAGGATTAACATTTTCTTAACTGGAGAAATTCATATGTTACATG	1117
Db	1245	TTCCATTAATATCACAGGATTAACATTTTCTTAACTGGAGAAATTCATATGTTACATG	1304
QY	1118	CAGCTATGGAAATTTAATTTACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTA	1177

RESULT 3

US-09-679-426-690

; Sequence 690, Application US/09679426

; Patent No. 6759515

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aijun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

Db	1305	CAGCTATGGGAATTTAATTACATATTTTGTTCAGTGCAAAAGATGACTAAGTCTCTTA	1364
QY	1178	TCCTCCCTTCTGTTGATTTTTCAGTATATAAGTAAAAATGCTTTAGCCTTGTACTG	1237
Db	1365	TCCTCCCTTCTGTTGATTTTTCAGTATATAAGTAAAAATGCTTTAGCCTTGTACTG	1424
QY	1238	AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCATCAAC	1297
Db	1425	AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCTATCATCAAC	1484
QY	1298	CCCTCCCATNYSACATAAACAATCTAACTTCTTAATTCCTTGAACATGTCCAGNCATAC	1357
Db	1485	CCCTCCCATACCACTTAAACAATCTAACTTCTTAATTCCTTGAACATGTCCAGNCATAC	1544
QY	1358	ATTTTCTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATCATGTAAAGTT	1417
Db	1545	ATTTTCTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATCATGTAAAGTT	1604
QY	1418	TTGAATTAAGTTGACTATCTTATCTTCAATGCAAAAGAGGACACATATGAGATTCATCA	1477
Db	1605	TTGAATTAAGTTGACTATCTTATCTTCAATGCAAAAGAGGACACATATGAGATTCATCA	1664
QY	1478	CATGACACAGCAATACTAAAGTGTAAATTTGATTATTAAGGTTTGAATAAATATATGAA	1537
Db	1665	CATGACACAGCAATACTAAAGTGTAAATTTGATTATTAAGGTTTGAATAAATATATGAA	1724
QY	1538	ATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTTGTAGCCTGGGATGTGAAGMA	1597
Db	1725	ATGCAAGACCCACAGAGGGAATGTTTATGGGGCAGCTTTTGTAGCCTGGGATGTGAAGMA	1784
QY	1598	AGGCAAGGAACTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTATCAAA	1657
Db	1785	AGGCAAGGAACTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTATCAAA	1844
QY	1658	TATCCAAACAGCTTTTTCAGAAATTCATGCAAGTGAATCCCAAGAGTAACTTTATCC	1717
Db	1845	TATCCAAACAGCTTTTTCAGAAATTCATGCAAGTGAATCCCAAGAGTAACTTTATCC	1904
QY	1718	ATTTCATGCTGAGTGGCTTTTAGAAATTTTGGCAAAATCATACTGCTCACTTTCTCAACTT	1777
Db	1905	ATTTCATGCTGAGTGGCTTTTAGAAATTTTGGCAAAATCATACTGCTCACTTTCTCAACTT	1964
QY	1778	TGAGATGTGTTGCTTCTGTTAGTTAATTTGAAGAAATAGGGCACTCTTGTGAGGCCATTT	1837
Db	1965	TGAGATGTGTTGCTTCTGTTAGTTAATTTGAAGAAATAGGGCACTCTTGTGAGGCCATTT	2024
QY	1838	AGGTTTCACTCTCGCAATAAAGATTTTACAAGA	1872
Db	2025	AGGTTTCACTCTCGCAATAAAGATTTTACAAGA	2059

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-690

Query Match      73.0%; Score 1367; DB 4; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
DB 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAAAGCAAGATGACAAATATAATGTCTAAAGTAGTGCATGT 217
DB 345 AGATAATTAACATCACTAGAAAAGCAAGATGACAAATATAATGTCTAAAGTAGTGCATGT 404
QY 218 TTTTGACAGATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAGGAGCAC 277
DB 405 TTTTGACAGATTTCCAGCCCTTTAAATATCCACACACAGGAGACACAAAGGAGCAC 464
QY 278 AGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 337
DB 465 AGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 524
QY 338 GCGTGTCCCGCTGTGAGGGAAGGACATTAAGAAATGAATGAATGATGTCTTAAAGGA 397
DB 525 GCGTGTCCCGCTGTGAGGGAAGGACATTAAGAAATGAATGAATGATGTCTTAAAGGA 584
QY 398 TGGGACAGGAAGAACAGATCTGTGTGGATATTTATTTGAACGGATTAACAGATTTGAAAT 457
DB 585 TGGGACAGGAAGAACAGATCTGTGTGGATATTTATTTGAACGGATTAACAGATTTGAAAT 644
QY 458 GAAATCACAAGTAGACATTTACCAATGAGAGAAACACAGACGAGAAATCTTGATGGCTT 517
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DB 705 CACAAGACATGCAACAAAACAAATGAATGATCTGTGATGACATGAGGACGCCAAGCTGGGG 764
QY 578 AGGAGATACCCAGGGGACAGGGTTCAGGATCTGCGCCCTGCTGCTTAACCTGTGGGTTTC 637
DB 765 AGGAGATACCCAGGGGACAGGGTTCAGGATCTGCGCCCTGCTGCTTAACCTGTGGGTTTC 824
QY 638 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC 697
DB 825 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGAATATCTGATCTC 884
QY 698 TAGCGTTCCCTCTGGGCCCAACATTTCCATATATCCAGCCACATCTATTTTAAATATTT 757
DB 885 TAGCGTTCCCTCTGGGCCCAACATTTCCATATATCCAGCCACATCTATTTTAAATATTT 944
QY 758 AGTTCCAGATCTGTACTGTGACCTTTTACACTGTAGATTAACATTAACATTTTGTTC 817
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QY 818 AAAGACCTTCTGTGTTGCTGCCTTAATATGATGATGCTGCTGTTTTCCTAAGGAGTGTCTG 877
DB 1005 AAAGACCTTCTGTGTTGCTGCCTTAATATGATGATGCTGCTGTTTTCCTAAGGAGTGTCTG 1064
QY 878 GCCACGGGATCTGTGAACAGGCTGGGAGGACATCTCAAGATCTTTCCAGGTTATACCTTA 937
DB 1065 GCCACGGGATCTGTGAACAGGCTGGGAGGACATCTCAAGATCTTTCCAGGTTATACCTTA 1124

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QY 938 CTAGCACACAGCATGATCATTAACGAGTGAATTAATTAATCAACATCATCTCAGTGTCT 997
DB 1125 CTAGCACACAGCATGATCATTAACGAGTGAATTAATTAATCAACATCATCTCAGTGTCT 1184
QY 998 TTGCCCATACGTGAATTAATTTCCACATTTTGTGCGCAATTTCTCAAGACCTCAAAATGCA 1057
DB 1185 TTGCCCATACGTGAATTAATTTCCACATTTTGTGCGCAATTTCTCAAGACCTCAAAATGCA 1244
QY 1058 TTCCCATTAATATCACAGGATTAACATTTTAACTTGAACCTGGAAGAAATCAATGTTACATG 1117
DB 1245 TTCCCATTAATATCACAGGATTAACATTTTAACTTGAACCTGGAAGAAATCAATGTTACATG 1304
QY 1118 CAGCTATGGGAATTTAAATTTACATATTTTGTTCAGTGCAGAAAGATCAAGTCTTTTA 1177
DB 1305 CAGCTATGGGAATTTAAATTTACATATTTTGTTCAGTGCAGAAAGATCAAGTCTTTTA 1364
QY 1178 TCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAAAGCTTGTACTG 1237
DB 1365 TCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTAAATGCTTAAAGCTTGTACTG 1424
QY 1238 AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAACATCAAC 1297
DB 1425 AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCAATCAACATCAAC 1484
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DB 1485 CCTCCCATNTSACCTAAACAAAATCTAACTTTGTAATTTCTTTGAACATGTCAGGNCATAC 1544
QY 1358 ATTTTCTCTTCTGCTGAGAGAGCTCTTCTCTGCTCTTAAANTCTAGAATGATGTAAGTT 1417
DB 1545 ATTTTCTCTTCTGCTGAGAGAGCTCTTCTCTGCTCTTAAANTCTAGAATGATGTAAGTT 1604
QY 1418 TTGAATAAGTTGACATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1477
DB 1605 TTGAATAAGTTGACATCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1664
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DB 1785 AAGGACGGAACCTCATAGTATCTTATATAATATACTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1844
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DB 1905 ATTTCAATGTTGAGTGGCTTTTGAATTTTGGCAAAATCATACCTGTCACATTTATCTCAACTT 1964
QY 1778 TGAGATGTTGTTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1837
DB 1965 TGAGATGTTGTTGCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 2024
QY 1838 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 1872
DB 2025 AGGGTTCACTCTCTGGCAATAAAGAAATTTTACAAAGA 2059

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RESULT 4
 US-09-759-143-690
 ; Sequence 690, Application US/09759143
 ; Patent No. 6800746
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.

QY 1838 AGGTTTCACTCTGGCAATAAAGATTTTACAAGA 1872
 Db 2025 AGGTTTCACTCTGGCAATAAAGATTTTACAAGA 2059

RESULT 5

US-09-651-236-690

; Sequence 690, Application US/09651236

; Patent No. 6818751

; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun

; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.

; APPLICANT: Harlocker, Susan L.

; APPLICANT: Jiang, Yuqi

; APPLICANT: Henderson, Robert A.

; APPLICANT: Kalos, Michael D.

; APPLICANT: Fanger, Gary R.

; APPLICANT: Retter, Marc W.

; APPLICANT: Stolk, John A.

; APPLICANT: Day, Craig H.

; APPLICANT: Vedwick, Thomas S.

; APPLICANT: Carter, Darrick

; APPLICANT: Li, Samuel

; APPLICANT: Wang, Aliun

; APPLICANT: Skeiky, Yasir A.W.

; APPLICANT: Hepler, William

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

; FILE REFERENCE: 210121.42718C18

; CURRENT APPLICATION NUMBER: US/09/651,236

; CURRENT FILING DATE: 2000-08-29

; NUMBER OF SEQ ID NOS: 865

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 690

; LENGTH: 3923

; TYPE: DNA

; ORGANISM: Homo sapien

US-09-651-236-690

Query Match 73.0%; Score 1367; DB 4; Length 3923;

Best Local Similarity 99.5%; Pred. No. 0;

Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
 Db 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
 QY 158 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGCTCTAAGTAGTGACATGT 217
 Db 345 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGCTCTAAGTAGTGACATGT 404
 QY 218 TTTTGACACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAGACAC 277
 Db 405 TTTTGACACATTTCCAGCCCTTTAAATATCCACACACAGGAGGACACAAAAGGAGACAC 464
 QY 278 AGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTGCGCCCTGT 337
 Db 465 AGAGATCCCTGGAGAAATGCCCGGCCCATCTTGGGTGATGATGAGCTGCGCCCTGT 524
 QY 338 GCTGTGCTGCTGCTGAGGAGGACATTTAGAAATGAATGATGCTGTTCTTAAAGGA 397
 Db 525 GCTGTGCTGCTGCTGAGGAGGACATTTAGAAATGAATGATGCTGTTCTTAAAGGA 584
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QY 518 CACAAGACATGCACAAACAAATGAATACTGTGATGACATGAGCGCAGCCAGCTGGGG 577
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 QY 638 ATAACCAATCAATTTCTAATTTCTAAACCTCAAAACAAAGCTGTGTGATATCTCATCTC 697
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 QY 758 AGTTCCAGATCTGTGAGACCTTTCTA CACTGTAGATAACATTTACTCATTTTGTTC 817
 Db 945 AGTTCCAGATCTGTGAGACCTTTCTA CACTGTAGATAACATTTACTCATTTTGTTC 1004
 QY 818 AAAGACCTTCTGTTGCTGCTTAATATATGACTGACTGTTTTCTTAAGGAGTGTCTG 877
 Db 1005 AAAGACCTTCTGTTGCTGCTTAATATATGACTGACTGTTTTCTTAAGGAGTGTCTG 1064
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 Db 1185 TTGCCCCACTGAAATTCATTTTCCACATTTTGTGCCCATCTCAAGACCTCAAAATGTCA 1244
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 QY 1118 CAGCTATGGGAATTTAAATTAACATATTTTGTGTTTTCAGTGCAGGAGATGACTAAGTCTTTA 1177
 Db 1305 CAGCTATGGGAATTTAAATTAACATATTTTGTGTTTTCAGTGCAGGAGATGACTAAGTCTTTA 1364
 QY 1178 TCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAAAGCTTGTACTG 1237
 Db 1365 TCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAAAGCTTGTACTG 1424
 QY 1238 AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTATCAATCAATCAAC 1297
 Db 1425 AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTATCAATCAATCAAC 1484
 QY 1298 CCCTCCCATNYSACCTTAAACAAATTTAACTTTGTTGTTTTCAGTGCAGGAGATGACTAAGT 1357
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 Db 1545 ATTTTCTCTTCTGCTGAGAGCTCTTCTTCTTAANTCTAGAATGATGTAAGTT 1604
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 Db 1605 TTGAATAAGTTGATCTTACTTTCATGCAAAAGAGGACACATATGAGATTCATCATCA 1664
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 QY 1598 AAGGCAGGGAACCTCATAGTATCTTATATAATATCTTCAATTTCTCTATCTCATCAAA 1657


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QY 277 CAGAGATCCCTGGAGAAATGCGCGCGCCATCTTGGGTATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGAGAAATGCGCGCGCCATCTTGGGTATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGTCCTCGCTTGTGGGAGAGACATTTAGAAATGAATGATCTGTTCCCTTAAGG 396
Db 1530 TGCCTGTCCTCGCTTGTGGGAGAGACATTTAGAAATGAATGATGTTGTTCTTAAAG 1471
QY 397 ATGGCAGGAGAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAA 456
Db 1470 ATGGCAGGAGAAACAGATCCCTGTTGTGGATATTTATTTGAACGGGATTTACAGATTTGAAA 1411
QY 457 TGAAGTCACAAAGTGAGCATTAACAATGAGAGGAAACAGACAGAGAAATCTTTGATGGCT 516
Db 1410 TGAAGTCACAAAGTGAGCATTAACAATGAGAGGAAACAGACAGAGAAATCTTTGATGGCT 1351
QY 517 TCACAGACATGCAACAAACAAATGGAATACATGTCATGATGACATGAGCGACCAAGCTGGG 576
Db 1350 TCACAGACATGCAACAAACAAATGGAATACATGTCATGATGACATGAGCGACCAAGCTGGG 1291
QY 577 GAGGAGATAACCAACGGGAGAGGGTCAAGATTTCTGCGCCCTGCTGCTAAACTGTGCGTT 636
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QY 877 GGCCGAGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTTCCAGGGTTATCTT 936
Db 990 GGCCGAGGGATCTGTGAACAGGCTGGAGGATCTCAAGATCTTTCCAGGGTTATCTT 931
QY 937 ACTAGCACACAGCATGATCATTAACGAGTGAAATTAATCAATCAACATCATCTCAGTGTC 996
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Db 750 GCAGCTATGGAAATTTAAATTTACATATTTTGTGTTTTCAGTGCAAGATGACTAAGTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGTACT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGTACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616

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RESULT 9

US-09-685-166A-470/c

; Sequence 470, Application US/09685166A

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; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jianchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; TITLE OF INVENTION: 210121.427C21
; CURRENT APPLICATION NUMBER: US/09/685,166A
; CURRENT FILING DATE: 2000-10-10
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-685-166A-470

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Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGTGAGAAATTAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711
QY 157 GAGATAATTAACATCACTAGAACACAGACAGATGACAAATATATGTTCTAGTAGTACATG 216
Db 1710 GAGATAATTAACATCACTAGAACACAGACAGATGACAAATATATGTTCTAGTAGTACATG 1651
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QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCGCCATCTTTGGGTATCGATGAGCCTCGCCCTG 336
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QY 337 TGCCTGTCCTCGCTTGTGAGGAGAGACATTTAGAAATGAATGATGTTCTTCTTAAAG 396
Db 1530 TGCCTGTCCTCGCTTGTGAGGAGAGACATTTAGAAATGAATGATGTTCTTCTTAAAG 1471
QY 397 ATGGGAGGAGAAACAGATCTCTGTTGGATATTTATTTGAACGGGATTTACAGATTTGAAA 456
Db 1470 ATGGGAGGAGAAACAGATCTCTGTTGGATATTTATTTGAACGGGATTTACAGATTTGAAA 1411
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QY 517 TCACAGACATGCAACAAACAAATGGAATACATGTCATGATGACATGAGCGACCAAGCTGGG 576
Db 1350 TCACAGACATGCAACAAACAAATGGAATACATGTCATGATGACATGAGCGACCAAGCTGGG 1291
QY 577 GAGGAGATAACCAACGGGAGAGGGTCAAGATTTCTGCGCCCTGCTGCTAAACTGTGCGTT 636
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Db 1170 CTACGGTTCCTTCCTGGGCCCAACATTTCTCGATATATCCAGCCACACATCTATTTTAAATAT 1111
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Db 1110 TAGTCCCAAGATCTGTACGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAATTTGT 1051
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QY 1057 ATTCCATTAATATACAGGATTAACCTTTTAACTGCAAGATGTAATTTCAATTTGATAT 1116
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QY 1117 GCAGCTATGGAAATTAATTTACATATTTTGTGCTGCTTTTCCAGTGCAAGATGTAATTT 1176
Db 750 GCAGCTATGGAAATTAATTTACATATTTTGTGCTGCTTTTCCAGTGCAAGATGTAATTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAAGTCTTAGCCTTGATCT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGTATAAAGTTTAAAGTCTTAGCCTTGATCT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616

RESULT 10
US-09-679-426-470/c
; Sequence 470, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-470
Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 97 AGGTGAGAAATAAGAAAGGCTCTGACTTACCTCTGAGGCCACACATCTCTGTAATG 156
Db 1770 AGGTGAGAAATAAGAAAGGCTCTGACTTACCTCTGAGGCCACACATCTCTGTAATG 1711
QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATATGTCTAGTAGTAGCATG 216
Db 1710 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATAATATGTCTAGTAGTAGCATG 1651
QY 217 TTTTTCGACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCAAAAGGAAGCA 276
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QY 277 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTATCGATGAGCCTCGCCCTG 336
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QY 337 TGCCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAAATGAATTTGATGTCTTCTTAAAGG 396
Db 1530 TGCCTGGTCCCGCTTGTGAGGGAAGACATTAAGAAAATGAATTTGATGTCTTCTTAAAGG 1471
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Db 1470 ATGGGCAGGAAACAGATCCTGTTGTGGATATTTATTTGAACGGGATTAACAGATTTGAAA 1411
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Db 1410 TGAAGTCAAAAGTGAAGCATTAACCAATGAGAGGAAAACAGAGAGAAAATCTTGTATGGCT 1351
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Db 1350 TCACAAGACATCAACAAACAAATGGAAATCTGTGATGACATGAGGAGCAAGCTGGG 1291
QY 577 GAGGAGATAACCAACGGGGCAGAGGGTCAAGGATTTCTGGCCCTGCTGCTAAATCTGTCGTT 636
Db 1290 GAGGAGATAACCAACGGGGCAGAGGGTCAAGGATTTCTGGCCCTGCTGCTAAATCTGTCGTT 1231
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Db 1170 CTACGGTTCCTTCCTGGGCCCAACATTTCTCATATATCCAGCCACACATCTCAATTTTAAATAT 1111
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGAAATAACATTAATCTCAATTTGT 816
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Db 1050 CAAAGACCTTCCTGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCT 991
QY 877 GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTATACCT 936
Db 990 GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTATACCT 931
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DB 750 GCAGCTATGGGAATTTAAATACATATTTTGTTCAGTCCAAAGATGACTAAGTCTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGACT 1236
DB 690 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGACT 631
QY 1237 GAGGCTGTATACAGC 1251
DB 630 GAGGCTGTATACAGC 616

RESULT 12
US-09-759-143-470/c
; Sequence 470, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
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DB 1650 TTTTTCACATTTCCAGCCCTTTTAAATATCCACACACAGGAAGCAAAAGGAAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCCGCCGACATCTTGGGTTCATCGATGAGCCTCGCCCTG 336
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DB 1470 ATGGGCAAGAAACAGATCCTGTTGGGATATTTATTTGAAACGGGATTAACAGATTTGAAA 1411
QY 457 TGAAGTCAACAAGTGTAGCAATTACCAATGAGAGGAAAACAGACGAGAAAATCTTTGATGGCT 516
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QY 517 TCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGGG 576
DB 1350 TCACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGCCAAAGCTGGG 1291
QY 577 GAGGAGATAACACCGGGCAGAGGGTTCAGGATTCGCGCCCTGCTGCTAAACCTGCGGTT 636
DB 1290 GAGGAGATAACACCGGGCAGAGGGTTCAGGATTCGCGCCCTGCTGCTAAACCTGCGGTT 1231
QY 637 CATACCAAAATCATTTTATATTTCTAAACCTCAAAAACAAAGCTGTTGTAAATATCTGATCT 696
DB 1230 CATACCAAAATCATTTTATATTTCTAAACCTCAAAAACAAAGCTGTTGTAAATATCTGATCT 1171
QY 697 CTACGGTCTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTTAATTT 756
DB 1170 CTACGGTCTCTTCTGGGCCCAACATTTCTCCATATATCCAGCCACACATCAATTTTTAATTT 1111
QY 757 TAGTTCACAGATCTGTACTGTGACCTTTCTACATCTGTAGATAAATTAATTAATTTGTT 816
DB 1110 TAGTTCACAGATCTGTACTGTGACCTTTCTACATCTGTAGATAAATTAATTAATTTGTT 1051
QY 817 CAAAGACCTTCTGTTGCTGCTAATATGTAGTGTGTTTCTTAAAGAGTGTCT 876
DB 1050 CAAAGACCTTCTGTTGCTGCTAATATGTAGTGTGTTTCTTAAAGAGTGTCT 991
QY 877 GGGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTTT 936
DB 990 GGGCCAGGGGATCTGTGAAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTACTTT 931
QY 937 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTC 996
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QY 997 TTTGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATTCTCAAGACCTCAAAATGTC 1056
DB 870 TTTGCCCATACTGAAATTCATTTCCACATTTTGTGCCCATTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCATTATATACAGGATTAACATTTTTTTTAACTGGGAAGATTCAATGTTTACAT 1116
DB 810 ATTCCATTATATACAGGATTAACATTTTTTTTAACTGGGAAGATTCAATGTTTACAT 751
QY 1117 GCAGCTATGGGAATTTAAATACATATTTTGTTCAGTCCAAAGATGACTAAGTCTCTTT 1176
DB 750 GCAGCTATGGGAATTTAAATACATATTTTGTTCAGTCCAAAGATGACTAAGTCTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGACT 1236
DB 690 ATCCCTCCCTTTGTTGTTGTTTTCAGTATAAAGTTTAAATGCTTAGCCTTGACT 631
QY 1237 GAGGCTGTATACAGC 1251
DB 630 GAGGCTGTATACAGC 616
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RESULT 12
US-09-651-236-470/c
; Sequence 470, Application US/09651236
; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
```

```

; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-651-236-470

Query Match 61.7%; Score 1155; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 156
DB 1770 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 1711

QY 157 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATAATGCTAAAGTAGTGACATG 216
DB 1710 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATAATGCTAAAGTAGTGACATG 1651

QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACACAGCAAGCAAAAGGAGCA 276
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DB 1530 TGCTGGTCCCGCTTGTGAGGGAAGACATTTAGAAAATGAATTTGATGTGTTCTTTAAAGG 1471

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QY 697 CTACGGTTCCTTCTGGGCGCCCAACATTTCTCCATATATCCAGCCACACATCTTTAATATT 756

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DB 1170 CTACGGTTCCTTCTGGGCGCCCAACATTTCTCCATATATCCAGCCACACATCTCAATTTAATATT 1111
QY 757 TAGTTCCAGATCTCTACTGTGACCTTTCTACACTGTAGATAACATTAATCTACTCATTTTGT 816
DB 1110 TAGTTCCAGATCTCTACTGTGACCTTTCTACACTGTAGATAACATTAATCTACTCATTTTGT 1051
QY 817 CAAAGACCCCTTGGTGTGCTGCTAATATGTAGCTGACTGTTTCTTAAGAGGTGTTCT 876
DB 1050 CAAAGACCCCTTGGTGTGCTGCTAATATGTAGCTGACTGTTTCTTAAGAGGTGTTCT 991
QY 877 GGGCCAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTCCAGGCTTATACTT 936
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DB 930 ACTAGCACACAGCATGATCATTTACGAGTGAATTAATCAACATCATCTCAGTGTC 871
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DB 870 TTTGGCCCATCTGAAATTCATTTCCACCTTTTGTGCCCATTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCATTAATATACAGGATTAACCTTTTAACTGGAAGATTCATGTTACAT 1116
DB 810 ATTCCATTAATATACAGGATTAACCTTTTAACTGGAAGATTCATGTTACAT 751
QY 1117 GCAGCTATGGGAATTTAATACATATTTTCCAGTGCAGAGATGACTAAGTCCTTT 1176
DB 750 GCAGCTATGGGAATTTAATACATATTTTCCAGTGCAGAGATGACTAAGTCCTTT 691
QY 1177 ATCCCTCCCTTGTGTTGATTTTTTCCAGTATAAAGTAAAAATGCTTAGCCTTGACT 1236
DB 690 ATCCCTCCCTTGTGTTGATTTTTTCCAGTATAAAGTAAAAATGCTTAGCCTTGACT 631
QY 1237 GAGGCTGTATACAGC 1251
DB 630 GAGGCTGTATACAGC 616

RESULT 13
US-09-439-313-468
; Sequence 468, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqui
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-439-313-468

Query Match 61.7%; Score 1155; DB 3; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCGACACATCTGCTGAAATG 156

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Db	1372	GAGNATNTAAATCACTAGNAAAGCAAGATGACATATAATGCTTAAAGTAGTGACATG	1431
QY	217	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAAAGGAAGCA	276
Db	1432	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAAAAAAGGAAGCA	1491
QY	277	CAGAGATCCCTGGGAGAAAATGCCCGCGGCCATCTTGGGTATCATCGATGAGCCTCGCCCTG	336
Db	1492	CAGAGATCCCTGGGAGAAAATGCCCGCGGCCATCTTGGGTATCATCGATGAGCCTCGCCCTG	1551
QY	337	TGCTGTGTCGCGCTTGTGAGGAAGGACATTTAGAAAAATGAATGATGCTGTTCTTAAAGG	396
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QY	457	TGAAGTCACAAAGTGACATTAACATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT	516
Db	1672	TGAAGTCACAAAGTGACATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCT	1731
QY	517	TCACAGACATGCAACAAAAACAAATGAAATACTGTGATGATCATGAGCGACCAAGCTGGG	576
Db	1732	TCACAGACATGCAACAAAAACAAATGAAATACTGTGATGATCATGAGCGACCAAGCTGGG	1791
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QY	637	CATAACCAAAATCATTTTCATATTTCTAACCTCAAAAACAAAGCTGTTGTATAATCTGATCT	696
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QY	697	CTAGGTTTCCTCTGGGCCCAACAATCTCCATATATCCAGCCACACTCATTTTAAATATT	756
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QY	757	TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAATCTGATTTGTT	816
Db	1972	TAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAGATAAACAATTAATCTGATTTGTT	2031
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QY	937	ACTAGCACACAGATGATCAATTACGAGTGAATTTATCTAATCAACATCACTCCAGTGTC	996
Db	2152	ACTAGCACACAGATGATCAATTACGAGTGAATTTATCTAATCAACATCACTCCAGTGTC	2211
QY	997	TTTTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC	1056
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QY	1057	ATTTCCATTATATCACAGGATTAACCTTTTTTTTTTAACTGGAGAGAAATTCAAATGTTACAT	1116
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RESULT 14  

US-09-352-616A-468  

; Sequence 468, Application US/09352616A  

; Patent NO. 6395278  

; GENERAL INFORMATION:  

; APPLICANT: Dillon, Davin C.  

; APPLICANT: Harlocker, Susan Louise  

; APPLICANT: Jiang, Yuqui  

; APPLICANT: Xu, Jjiangchun  

; APPLICANT: Mitcham, Jennifer Lynn  

; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS  

; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE  

; FILE REFERENCE: 210121.427C8  

; CURRENT APPLICATION NUMBER: US/09/352,616A  

; CURRENT FILING DATE: 1999-07-13  

; NUMBER OF SEQ ID NOS: 472  

; SOFTWARE: FastSeq for Windows Version 3.0  

; SEQ ID NO 468  

; LENGTH: 3112  

; TYPE: DNA  

; ORGANISM: Homo sapiens  

US-09-352-616A-468
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Qy	337	TGCGTGTCCGCTTGTGAGGGAAGACATTAGAAAATGAATTGATGTGTTCCTTAAAGG	396	
Db	1552	TGCGTGTCCGCTTGTGAGGGAAGACATTAGAAAATGAATTGATGTGTTCCTTAAAGG	1611	
Qy	397	ATGGCAGGAGAAAACAGATCCTGTTGTGTGGATATTTATTTTGAACGGGATTACAGATTTCGAAA	456	
Db	1612	ATGGCAGGAGAAAACAGATCCTGTTGTGTGGATATTTATTTTGAACGGGATTACAGATTTCGAAA	1671	
Qy	457	TGAAGTCACAAAGTGAGCATTTACCAATGAGAGAAAACACAGACGAGAAAATCTTTGATGGCT	516	
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Qy	577	GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT	636	
Db	1792	GAGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTTAACTGTGCGTT	1851	
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; Sequence 468, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 468
; LENGTH: 3112
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-468
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Query Match 61.7%; Score 1155; DB 4; Length 3112;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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3	1367	73.0	3923	9 US-09-822-827-690	Sequence 690, App
4	1367	73.0	3923	9 US-09-895-793-690	Sequence 690, App
5	1367	73.0	3923	9 US-09-895-814-690	Sequence 690, App
6	1367	73.0	3923	13 US-10-012-896-690	Sequence 690, App
7	1367	73.0	3923	15 US-10-205-823-316	Sequence 316, App
8	1367	73.0	3923	16 US-10-144-678A-690	Sequence 690, App
9	1367	73.0	3923	16 US-10-294-025-690	Sequence 690, App
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c 11	1155	61.7	2426	9 US-09-780-669-470	Sequence 470, App

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c 15	1155	61.7	2426	13 US-10-012-896-470	Sequence 470, App
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c 36	1034	55.2	2229	16 US-10-144-678A-469	Sequence 469, App
c 37	1034	55.2	2229	16 US-10-294-025-469	Sequence 469, App
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c 41	812	43.4	812	9 US-09-822-827-471	Sequence 471, App
c 42	812	43.4	812	9 US-09-895-793-471	Sequence 471, App
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ALIGNMENTS

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; Patent No. US20020022248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun C.
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-759-143-690


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; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C24
; CURRENT APPLICATION NUMBER: US/09/780,669
; CURRENT FILING DATE: 2001-02-09
; NUMBER OF SEQ ID NOS: 943
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
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; TYPE: DNA
; ORGANISM: Homo sapien
US-09-780-669-690

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Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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QY 518 CACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGAGGAGCAAGCTGGGG 577
DB 705 CACAAGACATGCAACAAACAAATGGAATACTGTGATGACATGAGGAGGAGCAAGCTGGGG 764
QY 578 AGAGATTAACACGGGAGAGGAGGATGAGATTTCTGGCCCTGCTGCTTAACCTGCTGGCTTC 637
DB 765 AGAGATTAACACGGGAGAGGAGGATGAGATTTCTGGCCCTGCTGCTTAACCTGCTGGCTTC 824
QY 638 ATAAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTCTGTGATATCTGATCTC 697
DB 825 ATAAACCAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTCTGTGATATCTGATCTC 884
QY 698 TACGGTTCTCTTGGGCCCCAACATTTCTCCATATATCCAGCCACACATCAITTTTAAATATT 757
DB 885 TACGGTTCTCTTGGGCCCCAACATTTCTCCATATATCCAGCCACACATCAITTTTAAATATT 944
QY 758 AGTTCCAGATCTGTGACCTTTCTACATCTGTAGATAACATTAATCTCATTTTGTTC 817
DB 945 AGTTCCAGATCTGTGACCTTTCTACATCTGTAGATAACATTAATCTCATTTTGTTC 1004
QY 818 AAAGACCCCTTGGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 877
DB 1005 AAAGACCCCTTGGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATG 1064

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RESULT 3
US-09-822-827-690
; Sequence 690, Application US/09822827

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QY 878 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA 937
DB 1065 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA 1124
QY 938 CTAGCACACAGCATGATCATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 997
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QY 998 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 1057
DB 1185 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 1244
QY 1058 TTCCATTAATATCACAGGATTAATTTTTTTTTTAACTTCCCTGGAAGAAATTTCAATGTTACATG 1117
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DB 1305 CAGCTATGGGAATTTAATTAATTAATTTTGTCTTCCAGTGAAGATGACTAAGTCTCTTTA 1364
QY 1178 TCCTCCCTCTTGTGATTTTTCAGTATAAAAGTTAAATGCTTAGCCTTGTACTG 1237
DB 1365 TCCTCCCTCTTGTGATTTTTCAGTATAAAAGTTAAATGCTTAGCCTTGTACTG 1424
QY 1238 AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1297
DB 1425 AGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1484
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DB 1485 CCTCCCATNYSACCTTAAACAAATCTAATCTGTAATTCCTTGAACATGTCAGNCATAC 1544
QY 1358 ATTTTCTCTTGTGCTGAGAGCTCTTCTTGTCTCTTAATCTAGAAATGATGTAAGTT 1417
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DB 1605 TTGAATTAAGTTGATCTATCTTACATGCAAAAGAGGACACATATGAGATTCATCATCA 1664
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DB 1665 CATGAGACAGCAAAATCTAATAAGTGAATTTGATTAAGAGTTTATAGATAAATATATGAA 1724
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DB 1845 TATCCAAAGCTTTTACAGAAATTCATGAGTGAATTTCCCAAGGTAACCTTTATCC 1904
QY 1718 ATTTCAATGAGTGGCTTGAATTTTGAATTTTGAATTTTGAATTTTGAATTTTGAATTT 1777
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QY 1778 TGAGATGTTTGTCTCTGTTAGTTAATTTGAAGAAATAGGGCACTCTTGTAGGCCACTTT 1837
DB 1965 TGAGATGTTTGTCTCTGTTAGTTAATTTGAAGAAATAGGGCACTCTTGTAGGCCACTTT 2024
QY 1838 AGGGTTCACTCTGGCAATAAAGAAATTTTACAAGA 1872
DB 2025 AGGGTTCACTCTGGCAATAAAGAAATTTTACAAGA 2059

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; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
; US-09-822-827-690

Query Match      73.0%; Score 1367; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
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QY 158 AGATAATTAAATCACTAGAGAAACAGCAAGATGACATATAATGCTCTAAGTAGTGACATGT 217
DB 345 AGATTAATTAAATCACTAGAGAAACAGCAAGATGACATATAATGCTCTAAGTAGTGACATGT 404
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QY 518 CACAAGACATGCAACAAAACAAAATGGAATCTGTGATGACATGAGCGAGCCAGCTGGGG 577
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QY 818 AAGACCCCTTCGTTGCTGCTGCTTAATATGATGATGCTGTTTCTTAAAGGAGTGTCTG 877
DB 1005 AAGACCCCTTCGTTGCTGCTGCTTAATATGATGATGCTGTTTCTTAAAGGAGTGTCTG 1064
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RESULT 4
 US-09-895-793-690
 ; Sequence 690, Application US/09895793
 ; Publication No. US20020192763A1
 ; GENERAL INFORMATION:

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DB 1605 TTGAATAAGTGTACTATCTTACTTTCATGCAAGAAAGGACACATATGAGATTCAATCA 1664
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DB 1845 TATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAAATCCCCCAAGGTAAACCTTTATCC 1904
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DB 1905 ATTTCAATGAGTGGCTTTAGAAATTTTGGCAAAATCATACTGCTCACTTTCTCAACTT 1964
QY 1778 TGAGATGTCTTGTCTTGTAGTTAATGAAAGAAATAGGCACTCTTGTAGGCCACTTT 1837
DB 1965 TGAGATGTCTTGTCTTGTAGTTAATGAAAGAAATAGGCACTCTTGTAGGCCACTTT 2024
QY 1838 AGGTTTCACTCTGGCAATAAAGAAATTTTACAAGA 1872
DB 2025 AGGTTTCACTCTGGCAATAAAGAAATTTTACAAGA 2059

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APPLICANT: Xu, Jiangchun	765	AGGAGATACCAAGGGGAGAGGGT	824
APPLICANT: Dillon, Davin C.	638	ATAACCAAAATCATTTCTAAT	697
APPLICANT: Mitchell, Jennifer L.	825	ATAACCAAAATCATTTCTAAT	884
APPLICANT: Harlocker, Susan L.	698	TACGGTTCCTTCTGGGCCCAAA	757
APPLICANT: Jiang, Yuqiu	885	TACGGTTCCTTCTGGGCCCAAA	944
APPLICANT: Kalos, Michael D.	758	AGTTCCTCCAGATCTGTACTGT	817
APPLICANT: Retter, Marc W.	945	AGTTCCTCCAGATCTGTACTGT	1004
APPLICANT: Day, Craig H.	818	AAAGACCTTTCGTGTTGCTGCT	877
APPLICANT: Vedvick, Thomas S.	1005	AAAGACCTTTCGTGTTGCTGCT	1064
APPLICANT: Carter, Darrick	878	GCCAGGGGATCTGTGAAACAGG	937
APPLICANT: Li, Samuel X.	1065	GCCAGGGGATCTGTGAAACAGG	1124
APPLICANT: Wang, Aijun	938	CTAGCACACAGCATGATCATTA	997
APPLICANT: Skeiky, Yasir A.W.	1125	CTAGCACACAGCATGATCATTA	1184
APPLICANT: Hepler, William T.	998	TTGCCCATACTGAAATTCATTT	1057
APPLICANT: Henderson, Robert A.	1185	TTGCCCATACTGAAATTCATTT	1244
APPLICANT: Hural, John	1058	TTCCATTAAATACACAGGATTA	1117
APPLICANT: McNeill, Patricia D.	1245	TTCCATTAAATACACAGGATTA	1304
APPLICANT: Houghton, Raymond L.	1118	CAGCTATGGGAATTTAAATTA	1177
APPLICANT: Vinals de Bassols, Carlota	1305	CAGCTATGGGAATTTAAATTA	1364
APPLICANT: Foy, Teresa	1178	TCCCTCCCTTCTGTTGATTTT	1237
APPLICANT: Fanger, Gary R.	1365	TCCCTCCCTTCTGTTGATTTT	1424
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND	1238	AGGCTGTATACAGCACAGCTCT	1297
DIAGNOSIS OF PROSTATE CANCER	1425	AGGCTGTATACAGCACAGCTCT	1484
FILE REFERENCE: 210121.534C2	1298	CCCTCCCATNYACCTTAAACAA	1357
CURRENT APPLICATION NUMBER: US/09/895,793	1485	CCCTCCCATNYACCTTAAACAA	1544
NUMBER OF SEQ ID NOS: 982	1358	ATTTTCTCTGCTGAGAGCTCT	1417
SOFTWARE: FastSeq for Windows Version 3.0	1545	ATTTTCTCTGCTGAGAGCTCT	1604
SEQ ID NO 690	1418	TTGAATAAGTTGATCTTACTTA	1477
LENGTH: 3923	1605	TTGAATAAGTTGATCTTACTTA	1664
TYPE: DNA	1478	CATGACAGCAAAATCTAATAAG	1537
ORGANISM: Homo sapien	1665	CATGACAGCAAAATCTAATAAG	1724
US-09-895-793-690	1538	ATGCAAGKACACAGAGGGAAT	1597
	1725	ATGCAAGKACACAGAGGGAAT	1784
	1598	AAGGACAGGGAACCTCATAGTA	1657
	1785	AAGGACAGGGAACCTCATAGTA	1844
	1658	TATCCAAACAGCTTTTTCAGAA	1717
	1845	TATCCAAACAGCTTTTTCAGAA	1904

Query Match	73.0%	Score 1367;	DB 9;	Length 3923;
Best Local Similarity	99.5%	Pred. No. 0;		
Matches 1767;	Conservative 0;	Mismatches 8;	Indels 0;	Gaps 0;
98	GGTGAGAAATAGAAAGGCTGCT	73.0%	Score 1367;	DB 9;
285	GGTGAGAAATAGAAAGGCTGCT	73.0%	Score 1367;	DB 9;
158	AGATAATTAACATCACTAGAAA	73.0%	Score 1367;	DB 9;
345	AGATAATTAACATCACTAGAAA	73.0%	Score 1367;	DB 9;
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405	TTTTCACATTTCCAGCCCTTTT	73.0%	Score 1367;	DB 9;
278	AGAGATCCCTGGGAGAAATGCC	73.0%	Score 1367;	DB 9;
465	AGAGATCCCTGGGAGAAATGCC	73.0%	Score 1367;	DB 9;
338	GCTGTGCTGGCTTGTGAGGAA	73.0%	Score 1367;	DB 9;
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398	TGGGACAGGAAACAGATCTCT	73.0%	Score 1367;	DB 9;
585	TGGGACAGGAAACAGATCTCT	73.0%	Score 1367;	DB 9;
458	GAAATGCAAAAGTGAGCATTT	73.0%	Score 1367;	DB 9;
645	GAAATGCAAAAGTGAGCATTT	73.0%	Score 1367;	DB 9;
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705	CACAACATGCAACAAATGGA	73.0%	Score 1367;	DB 9;
578	AGGAGATACCAAGGGGAGAGG	73.0%	Score 1367;	DB 9;

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QY 1778 TGAGATGTGTTTCTCTGTGTAGTAAATTTGAAAGAAATAGGCACTCTGTGTAGGCACTTT 1837
Db 1965 TGAGATGTGTTTCTCTGTGTAGTAAATTTGAAAGAAATAGGCACTCTGTGTAGGCACTTT 2024
QY 1838 AGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 1872
Db 2025 AGGGTTCACTCTCTGGCAATAAAGAAATTTACAAAGA 2059

RESULT 5
US-09-895-814-690
; Sequence 690, Application US/09895814
; Publication No. US20020193296A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Panger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-895-814-690

Query Match 73.0%; Score 1367; DB 9; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATCTGTAGGCCACACATCTGTGTAATGG 157
Db 285 GGTGAGAAATAAGAAAGGCTGTGACTTTTACCATCTGTAGGCCACACATCTGTGTAATGG 344
QY 158 AGATAATTAACATCACTAGAAACAGCAGATGATCAATATATCTCTAAGTAGTACATGT 217
Db 345 AGATAATTAACATCACTAGAAACAGCAGATGATCAATATATCTCTAAGTAGTACATGT 404
QY 218 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGGAGGACACAAAAGGAAGCAC 277
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Db 705 CACAAGACATGCAACAAACAAAATGGAATCTGTGATGATGAGGAGGAGGAGGAGGAGGAGG 764
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QY 1658 TATCCAAACAGCTTTTACAGAAATTCATGAGTGCAGTAAATCCCAAGGTAAACCTTTATCC 1717
DB 1845 TATCCAAACAGCTTTTACAGAAATTCATGAGTGCAGTAAATCCCAAGGTAAACCTTTATCC 1904
QY 1718 ATTTCATGTTGAGTGGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAACTT 1777
DB 1905 ATTTCATGTTGAGTGGGCTTTAGAAATTTTGGCAAAATCATACTGGTCACTTATCTCAACTT 1964
QY 1778 TGAGATGTTGTTGCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTT 1837
DB 1965 TGAGATGTTGTTGCTTGTAGTAAATTTGAAAGAAATAGGGCACTCTTGTGAGCCACTTT 2024
QY 1838 AGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 1872
DB 2025 AGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059

RESULT 6

US-10-012-896-690
; Sequence 690, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Wantanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/10/012, 896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens

US-10-012-896-690
Query Match 73.0%; Score 1367; DB 13; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 98 GGTGAGAAATAGAAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 157
DB 285 GGTGAGAAATAGAAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAATTAACATCACTAGAAAACAGCAAGATGCAATATATATATATATATATATATATAT 217
DB 345 AGATAATTAACATCACTAGAAAACAGCAAGATGCAATATATATATATATATATATATATAT 404
QY 218 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAGACACAAAAGGAGCAC 277
DB 405 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAAGACACAAAAGGAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCATGATGAGCCTCGCCTGT 337
DB 465 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTATCATGATGAGCCTCGCCTGT 524
QY 338 GCTGTGTCGGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGTGTTCTTTAAAGGA 397
DB 525 GCTGTGTCGGCTTGTGAGGAGGACATTTAGAAAATGAATTTGATGTGTTCTTTAAAGGA 584
QY 398 TGGGCAAGGAAAAACAGATCCTGTGTGATATTTTAAACGGGATTTACAGATTTTGAAT 457
DB 585 TGGGCAAGGAAAAACAGATCCTGTGTGATATTTTAAACGGGATTTACAGATTTTGAAT 644
QY 458 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGAATGCTT 517
DB 645 GAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGAATGCTT 704
QY 518 CACAGACATGCAACAAACAAATGGAATCTGTGATGATGATGATGATGATGATGATGATGATG 577
DB 705 CACAGACATGCAACAAACAAATGGAATCTGTGATGATGATGATGATGATGATGATGATGATG 764
QY 578 AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCT 637
DB 765 AGGAGATAACACGGGGCAGAGGCTCAGGATTTCTGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTG 824
QY 638 ATAACCAAAATCATTTTCATATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 697
DB 825 ATAACCAAAATCATTTTCATATTTTCAACCTCAAAACAAAGCTGTTGTAATATCTGATCTC 884
QY 698 TAGGGTTCTTCTGGGCCCCAACATTTCTCATATATTCAGGCCACACTCATTTTAAATATTT 757
DB 885 TAGGGTTCTTCTGGGCCCCAACATTTCTCATATATTCAGGCCACACTCATTTTAAATATTTT 944
QY 758 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTAACATTAATCTTATGTTTC 817
DB 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAAATTAACATTAATCTTATGTTTC 1004
QY 818 AAAGACCTTCTGTGTTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATGATGATG 877
DB 1005 AAAGACCTTCTGTGTTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATGATG 1064
QY 878 GCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATATCTTA 937
DB 1065 GCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAAGATCTTTCCAGGGTTATATCTTA 1124
QY 938 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 997
DB 1125 CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGTCT 1184
QY 998 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1057
DB 1185 TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCATTTCTCAAGACCTCAAAATGTCA 1244
QY 1058 TTCCATTATATACAGGATTAACCTTTTTTTTTTAACTGGGAGATTTCAATGTTTACATG 1117
DB 1245 TTCCATTATATACAGGATTAACCTTTTTTTTTTAACTGGGAGATTTCAATGTTTACATG 1304


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QY 1118 CAGCTATGGAAATTTAAATTACATATTTTGTCTTCCAGTCAAGATGACTAAGTCTCTTTA 1177
Db 1305 CAGCTATGGAAATTTAAATTACATATTTTGTCTTCCAGTCAAGATGACTAAGTCTCTTTA 1364
QY 1178 TCCTCCCTCTTGTGTTGATTTTTTCCAGTATAAAAGTTTAAATGCTTAGCCCTTGACTG 1237
Db 1365 TCCTCCCTCTTGTGTTGATTTTTTCCAGTATAAAAGTTTAAATGCTTAGCCCTTGACTG 1424
QY 1238 AGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGCCCTTATCTGTATCACCATCAAC 1297
Db 1425 AGGCTGTATACAGCAGAGCTCTCCCATCCCTCCAGCCCTTATCTGTATCACCATCAAC 1484
QY 1298 CCTCCCATNYSACCTAAACAAATCTAACTGTGTAATTCCTTGAAACATGTCAGGNCATAC 1357
Db 1485 CCTCCCATACCACTAAACAAATCTAACTGTGTAATTCCTTGAAACATGTCAGGNCATAC 1544
QY 1358 ATTTTCTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGTAAGTT 1417
Db 1545 ATTTTCTCTTCTGCTGAGAGCTCTTCTTGTCTCTTAANTCTAGAATGATGTAAGTT 1604
QY 1418 TTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGACATATATGAGTATCATCATCA 1477
Db 1605 TTGAATAAGTTGACTATCTTACTTTCATGCAAGAGGACATATATGAGTATCATCATCA 1664
QY 1478 CATGACACAGCAATACTAAAGTGTAAATTTGATTATAAGAGTTTATAGATAAATATATGAA 1537
Db 1665 CATGACACAGCAATACTAAAGTGTAAATTTGATTATAAGAGTTTATAGATAAATATATGAA 1724
QY 1538 ATGCAAGACCCACAGAGGAAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGTGAAGMA 1597
Db 1725 ATGCAAGACCCACAGAGGAAATGTTTATGCGGCACGTTTGTAAAGCCTGGGATGTGAAGMA 1784
QY 1598 AAGCGAGGAAACCTCATATGATCTTATATAATATCTTCAATTTCTCTATCTCTATCACA 1657
Db 1785 AAGCGAGGAAACCTCATATGATCTTATATAATATCTTCAATTTCTCTATCTCTATCACA 1844
QY 1658 TATCCAAACAGCTTTTACAGAGATTCATGAGTGCAAAATCCCAAGGTAAACCTTTATCC 1717
Db 1845 TATCCAAACAGCTTTTACAGAGATTCATGAGTGCAAAATCCCAAGGTAAACCTTTATCC 1904
QY 1718 ATTTCTATGAGTGGCTTTAGAAATTTTGGCAAATCATATGCTGGTCACTTATCTCAACTT 1777
Db 1905 ATTTCTATGAGTGGCTTTAGAAATTTTGGCAAATCATATGCTGGTCACTTATCTCAACTT 1964
QY 1778 TGAGATGTTGTTGCTTGTAGTTAATTAAGAAATATAGGCACTCTTGTGAGCCACTTT 1837
Db 1965 TGAGATGTTGTTGCTTGTAGTTAATTAAGAAATATAGGCACTCTTGTGAGCCACTTT 2024
QY 1838 AGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 1872
Db 2025 AGGGTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059

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RESULT 7

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US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Monsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER

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; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-205-823-316

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Query Match 73.0%; Score 1367; DB 15; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGG 157
Db 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATTCTGAGGCCACACATCTGCTGAAATGG 344
QY 158 AGATAAATTAACATCTACTAGAAAACAGCAAGATGACAATAATAATGTCTTAAGTAGTACATGT 217
Db 345 AGATAAATTAACATCTACTAGAAAACAGCAAGATGACAATAATAATGTCTTAAGTAGTACATGT 404
QY 218 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAGGACACAAAAGGAGCAC 277
Db 405 TTTTGCACATTTTCCAGCCCTTTTAAATATCCACACACAGGAGGACACAAAAGGAGCAC 464
QY 278 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 337
Db 465 AGAGATCCCTGGGAGAAATGCCCGCGGCATCTTGGGTTCATCGATGAGCCCTCGCCCTGT 524
QY 338 GCCTGCTCCGCTGTGTGAGGAAAGGACATTAGAAAATGAATTTGATGTGTTCTTAAAGGA 397
Db 525 GCCTGCTCCGCTGTGTGAGGAAAGGACATTAGAAAATGAATTTGATGTGTTCTTAAAGGA 584
QY 398 TGGGCAAGGAAACACATCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATTTTCAAAAT 457
Db 585 TGGGCAAGGAAACACATCTGTTGTGGATATTTTATTTGAACGGGATTAACAGATTTTCAAAAT 644
QY 458 GAAATCACAAGTGTAGCATTTACCAATGAGAGGAAACACAGCAGAGAAATCTTTGATGGCTT 517
Db 645 GAAATCACAAGTGTAGCATTTACCAATGAGAGGAAACACAGCAGAGAAATCTTTGATGGCTT 704
QY 518 CACAAGATGCAACAAACAAATGGAATCTGTGTATGATGATGAGGAGGAGGAGGAGGAGG 577
Db 705 CACAAGATGCAACAAACAAATGGAATCTGTGTATGATGATGAGGAGGAGGAGGAGGAGG 764
QY 578 AGGAGATACACAGGCGGAGAGGCTGAGGATTTCTGCGCTGCTGCTTAAACTGTGCGTTTC 637
Db 765 AGGAGATACACAGGCGGAGAGGCTGAGGATTTCTGCGCTGCTGCTTAAACTGTGCGTTTC 824
QY 638 ATAAACCAAAATCATTTTCATATTTTCAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTC 697
Db 825 ATAAACCAAAATCATTTTCATATTTTCAACCTCAAAAACAAAGCTGTTGTAATATCTGATCTC 884
QY 698 TAGGTTCTCTCTGGGCGGCAACATTTCTCATATATCCAGGCCACACATCATTTTAATATT 757
Db 885 TAGGTTCTCTCTGGGCGGCAACATTTCTCATATATCCAGGCCACACATCATTTTAATATT 944
QY 758 AGTTCCCAAGATCTGTACTGTGACCTTTCTACATCTAGATAATACATTTACTCTTTTGTTC 817
Db 945 AGTTCCCAAGATCTGTACTGTGACCTTTCTACATCTAGATAATACATTTACTCTTTTGTTC 1004

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Qy	818	AAAGACCCTTCGTGTGCTGCTAAATATGTAGCTGACGTGTTTTTCCCTAAAGAGTGTTCTG	877
Db	1005	AAAGACCCTTCGTGTGCTGCTAAATATGTAGCTGACGTGTTTTTCCCTAAAGAGTGTTCTG	1064
Qy	878	GCCCAGGGGATCTGTGAACAGCGCTGGGAAGCATCTCAAGATCTTTCCAGGGTATACTTAA	937
Db	1065	GCCCAGGGGATCTGTGAACAGCGCTGGGAAGCATCTCAAGATCTTTCCAGGGTATACTTAA	1124
Qy	938	CTAGCACACAGCATGATCAITTTACGGAGTGAATTAATCTAAATCAAATCATCTCTCAGTGTCT	997
Db	1125	CTAGCACACAGCATGATCAITTTACGGAGTGAATTAATCTAAATCAAATCATCTCTCAGTGTCT	1184
Qy	998	TTGGCCCATACTGAAATTCATTTCCACATTTGTGCCCCATCTCAAGACCTCAAAATGTCA	1057
Db	1185	TTGGCCCATACTGAAATTCATTTCCACATTTGTGCCCCATCTCAAGACCTCAAAATGTCA	1244
Qy	1058	TTCCATTAATATCA CAGGATTAAC TTTTTTTTTTAACTGCTGGAAGAAATCAATGTTACATG	1117
Db	1245	TTCCATTAATATCA CAGGATTAAC TTTTTTTTTTAACTGCTGGAAGAAATCAATGTTACATG	1304
Qy	1118	CAGCTATGGGAATTTAATTACATATTTGTTTTCCAGTGCAGAGATGACATAAGTCCCTTTA	1177
Db	1305	CAGCTATGGGAATTTAATTACATATTTGTTTTCCAGTGCAGAGATGACATAAGTCCCTTTA	1264
Qy	1178	TCCCTCCCTTTGTTTGATTTTTTTTTTCCAGTATAAAGTTAAATAGCTTTAGCTCTGTACTG	1237
Db	1365	TCCCTCCCTTTGTTTGATTTTTTTTTTCCAGTATAAAGTTAAATAGCTTTAGCTCTGTACTG	1424
Qy	1238	AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAAC	1297
Db	1425	AGGCTGTATACAGCACAGCCTCTCCCATCCCTCCAGCCTTATCTGTCATCACCATCAAC	1484
Qy	1298	CCCTCCCATNYSACCTAAACAAAATCTAACTGTGAATTTCCCTTGAAACATGTCAGGNCATAC	1357
Db	1485	CCCTCCCATNYSACCTAAACAAAATCTAACTGTGAATTTCCCTTGAAACATGTCAGGNCATAC	1544
Qy	1358	ATTCTTCCTCTGCTGCTGAGAGCTCTTCTCTGCTCTTCTTAANTCTPAGAATGATGTAAAGTT	1417
Db	1545	ATTCTTCCTCTGCTGCTGAGAGCTCTTCTCTGCTCTTCTTAANTCTPAGAATGATGTAAAGTT	1604
Qy	1418	TTGAATAAGTTGATCTACTTACTTCATGCAAAAGAGGACACATATGAGATTCTATCATCA	1477
Db	1605	TTGAATAAGTTGATCTACTTACTTCATGCAAAAGAGGACACATATGAGATTCTATCATCA	1664
Qy	1478	CATGACAGACGAAATACTATAAGTGTAATTTGATATATAAGAGTTTACATAAATATATGAA	1537
Db	1665	CATGACAGACGAAATACTATAAGTGTAATTTGATATATAAGAGTTTACATAAATATATGAA	1724
Qy	1538	ATGCAAGAKCCACAGAGGGAATGTTTTATGGGGACAGTTTGTAGCCCTGGGATGTGAAGMA	1597
Db	1725	ATGCAAGAGCCACAGAGGGAATGTTTTATGGGGACAGTTTGTAGCCCTGGGATGTGAAGCA	1784
Qy	1598	AAGCAGGGAACCTCATAGTATCTTATATATATATACTTTCATTTCTCTCTATCTCTATCAAA	1657
Db	1785	AAGCAGGGAACCTCATAGTATCTTATATATATATACTTTCATTTCTCTCTATCTCTATCAAA	1844
Qy	1658	TATCCAAACAGCTTTTTCACAGAATTCATGCAAGTCAAAATCCCCAAAGGTAAACCTTTATCC	1717
Db	1845	TATCCAAACAGCTTTTTCACAGAATTCATGCAAGTCAAAATCCCCAAAGGTAAACCTTTATCC	1904
Qy	1718	ATTTTCATGGTGAGTGGCTTTTAGAAATTTTGGCAAAATCATACTGTGCTACTTATCTCAACTT	1777
Db	1905	ATTTTCATGGTGAGTGGCTTTTAGAAATTTTGGCAAAATCATACTGTGCTACTTATCTCAACTT	1964
Qy	1778	TGAGATGTGTTGTCTCTGTAGTTAAATTTGAAAGAAAATAGGSCACTCTTGTGAGCCACTTTT	1837
Db	1965	TGAGATGTGTTGTCTCTGTAGTTAAATTTGAAAGAAAATAGGSCACTCTTGTGAGCCACTTTT	2024
Qy	1838	AGGGTTCACTCCTGGCAATAAAGAAATTTTACAAAGA	1872
Db	2025	AGGGTTCACTCCTGGCAATAAAGAAATTTTACAAAGA	2059

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RESULT 8
US-10-144-678A-690
; Sequence 690, Application US/10144678A
; Publication No. US20030157089A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A. W.
; APPLICANT: Hepler, William T.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals y de Bassols, Carlota
; APPLICANT: Foy, Teresa M.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Deng, Ta
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C28
; CURRENT APPLICATION NUMBER: US/10/144.678A
; CURRENT FILING DATE: 2002-08-12
; NUMBER OF SEQ ID NOS: 1033
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-144-678A-690

Query Match 73.0%; Score 1367; DB 16; Length 3923;
Best Local Similarity 99.5%; Pred. No. 0;
Matches 1767; Conservative 0; Mismatches 8; Indels 0;

Qy 98 GGTGAGAAATGAAGAAGCGTCTGACATTACCATCTGAGGCCACACATCTGCT
Db 285 GGTGAGAAATGAAGAAGCGTCTGACATTACCATCTGAGGCCACACATCTGCT
Qy 158 AGATAATTAAATCAGTCAAGATGCAATATAATGCTTAAGTAGTGT
Db 345 AGATAATTAAATCAGTCAAGATGCAATATAATGCTTAAGTAGTGT
Qy 218 TTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGGAAGCACAAAAG
Db 405 TTTTGCACATTTCCAGGCCCTTTAAATATCCACACACAGGAAGCACAAAAG
Qy 278 AGAGATCCCTGGGAGAAATGCCCGGCCGCACTTTGGGTCAATGATGAGCCTCT
Db 465 AGAGATCCCTGGGAGAAATGCCCGGCCGCACTTTGGGTCAATGATGAGCCTCT
Qy 338 GCCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAAATGAATTTGATGCTGCTCT
Db 525 GCCTGGTCCCGCTTGTGAGGGAAGGACATTAGAAAAATGAATTTGATGCTGCTCT
Qy 398 TGGGCGAGGAAAAACAGATCCTCTTGTGGGATATTTATTTTGAACGGGATTAACAGAT
Db 585 TGGGCGAGGAAAAACAGATCCTCTTGTGGGATATTTATTTTGAACGGGATTAACAGAT
Qy 458 GAAGTCAAAAGTGAGCATTAACATGAGAGGAAAAACAGACGAGAAAAATCTTTG
Db 645 GAAGTCAAAAGTGAGCATTAACATGAGAGGAAAAACAGACGAGAAAAATCTTTG

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QY 518 CACAACATGCAACAAACAAATGAAATACCTGCTGATGATGATGAGCAGCAGCTGGGG 577
 Db 705 CACACAGCATGCAACAAACAAATGGAATACCTGCTGATGATGATGAGCAGCAGCTGGGG 764
 QY 578 AGGAGATAACCAAGGCGAGAGGGTCAGGATCTCGGCCCTGCTGCTCAAACTGTGCGTTC 637
 Db 765 AGGAGATAACCAAGGCGAGAGGGTCAGGATCTCGGCCCTGCTGCTCAAACTGTGCGTTC 824
 QY 638 ATAAACCAATCATTTTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCTGATCTC 697
 Db 825 ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAACAAAGAGCTGTTGTAATATCTGATCTC 884
 QY 698 TAGCGTTCTCTGCGGCCCAACATCTCCATATATCCAGCCACATCTTTTAAATATTT 757
 Db 885 TAGCGTTCTCTGCGGCCCAACATCTCCATATATCCAGCCACATCTTTTAAATATTT 944
 QY 758 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATCTCAATTTTGTTC 817
 Db 945 AGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATCTCAATTTTGTTC 1004
 QY 818 AAAGACCTTGTGTTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATGATG 877
 Db 1005 AAAGACCTTGTGTTGCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 1064
 QY 878 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA 937
 Db 1065 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA 1124
 QY 938 CTAGCACACAGCATGATCATTAAGGAGTGAATATCTAATCAACATCATCTCCAGTGTCT 997
 Db 1125 CTAGCACACAGCATGATCATTAAGGAGTGAATATCTAATCAACATCATCTCCAGTGTCT 1184
 QY 998 TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCA 1057
 Db 1185 TTGCCCATACTGAAATTCATTTTCCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCA 1244
 QY 1058 TTCCATTAATATACAGGATTAACCTTTTAACTTGAAGATTAACATCAATGTTTACATG 1117
 Db 1245 TTCCATTAATATACAGGATTAACCTTTTAACTTGAAGATTAACATCAATGTTTACATG 1304
 QY 1118 CAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTCAAAAGATGACTAAGTCCCTTTA 1177
 Db 1305 CAGCTATGGGAATTTAAATACATATTTTGTGTTTCCAGTCAAAAGATGACTAAGTCCCTTTA 1364
 QY 1178 TCCTCCCTTGTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCCCTTGTACTG 1237
 Db 1365 TCCTCCCTTGTGTTGATTTTTCAGATATAAAGTTAAATGCTTAGCCCTTGTACTG 1424
 QY 1238 AGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1297
 Db 1425 AGGCTGTATACAGCAGCCTCTCCCATCCCTCCAGCCCTTATCTGTCAATCACCATCAAC 1484
 QY 1298 CCCTCCCATNYSACTTAAACAAATCTAACTTGTAAATCTCTTGAACATGTCAGGNCATAC 1357
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 QY 1358 ATTRTTCCTTGTGCTGAGAGCTCTTCCCTGCTCTTAANTCTAGAATGATGATAAGTT 1417
 Db 1545 ATTRTTCCTTGTGCTGAGAGCTCTTCCCTGCTCTTAAATCTAGAATGATGATAAGTT 1604
 QY 1418 TTGAATAAGTTGACTATCTTACTTCAATGCAAGAGGGACACATATGAGATTCATCATCA 1477
 Db 1605 TTGAATAAGTTGACTATCTTACTTCAATGCAAGAGGGACACATATGAGATTCATCATCA 1664
 QY 1478 CATGAGACAGCAAAATCTAAAGTGTAAATTTGATATTAAGAGTTTATAGATAAATATATGAA 1537
 Db 1665 CATGAGACAGCAAAATCTAAAGTGTAAATTTGATATTAAGAGTTTATAGATAAATATATGAA 1724
 QY 1538 ATGCAAGATKCCAGAGGGAAATGTTTATGGGGCACGTTTGTAAAGCCTGGGATGTGAAGNA 1597
 Db 1725 ATGCAAGAGCCACAGAGGGAAATGTTTATGGGGCACGTTTGTAAAGCCTGGGATGTGAAGCA 1784

QY 1598 AAGCGAGGAAACCTCATAGTATCTTATATATATATCTTCAATTTCTCTATCTCTATCACAA 1657
 Db 1785 AAGCGAGGAAACCTCATAGTATCTTATATATATATCTTCAATTTCTCTATCTCTATCACAA 1844
 QY 1658 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAAAATCCCAAGGTAAACCTTTATCC 1717
 Db 1845 TATCCAAACAGCTTTTTCACAGAAATTCATGCAATGCAAAATCCCAAGGTAAACCTTTATCC 1904
 QY 1718 ATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAAATCATACCTGCTCACTTATCTCAACTT 1777
 Db 1905 ATTTTCATGCTGAGTGGCTTTTAGAATTTTGGCAAAATCATACCTGCTCACTTATCTCAACTT 1964
 QY 1778 TGAGATGCTTTTGTCTTGTAGTAAATTTGCAAAAGAAATAGGCACTCTTGTGAGCCACTTT 1837
 Db 1965 TGAGATGCTTTTGTCTTGTAGTAAATTTGCAAAAGAAATAGGCACTCTTGTGAGCCACTTT 2024
 QY 1838 AGGGTTCACTCTCGCAATTAAGAAATTTTACAAGA 1872
 Db 2025 AGGGTTCACTCTCGCAATTAAGAAATTTTACAAGA 2059

RESULT 9
 US-10-294-025-690
 ; Sequence 690, Application US/10294025
 ; Publication No. US20030185830A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Kalos, Michael D.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C29
 ; CURRENT APPLICATION NUMBER: US/10/294,025
 ; CURRENT FILING DATE: 2002-11-12
 ; NUMBER OF SEQ ID NOS: 1038
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-10-294-025-690

Query Match 73.0%; Score 1367; DB 16; Length 3923;
 Best Local Similarity 99.5%; Pred. No. 0;
 Matches 1767; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 98 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACATCTGAGGCCACACATCTGCTGAAATGG 157
 Db 285 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 344
 QY 158 AGATAAATTAACATCACTAGAAACAGCAGATGACAAATATAATGCTTAAGTAGTGACATGT 217
 Db 345 AGATAAATTAACATCACTAGAAACAGCAGATGACAAATATAATGCTTAAGTAGTGACATGT 404
 QY 218 TTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAAAAGGAGCAC 277
 Db 405 TTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAAAAGGAGCAC 464
 QY 278 AGAGATCCCTGGGAGAAATGCCCCGGCCATCTTTGGGTTCATCGATGAGCCTCGCCCTGT 337
 Db 465 AGAGATCCCTGGGAGAAATGCCCCGGCCATCTTTGGGTTCATCGATGAGCCTCGCCCTGT 524
 QY 338 GCCTGGTCCCGCTCTGAGGGAAGGACATTAGAAAATGAATGATGTTCTCTTAAAGGA 397
 Db 525 GCCTGGTCCCGCTCTGAGGGAAGGACATTAGAAAATGAATGATGTTCTCTTAAAGGA 584
 QY 398 TGGGAGGAGAAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTCACAGATTTGAAAT 457
 Db 585 TGGGAGGAGAAAAACAGATCCTGTTGTGGATATTTTGAACGGGATTCACAGATTTGAAAT 644
 QY 458 GAAATGCAAAAGTGTGACATTTACCAATGAGAGAAACACAGACGAGAAAATCTTGTATGGCTT 517
 Db 645 GAAATGCAAAAGTGTGACATTTACCAATGAGAGAAACACAGACGAGAAAATCTTGTATGGCTT 704

Qy	1598	AAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATACAA	155
Db	1785	AAGCAGGGAACCTCATAGTATCTTATATAATATATCTTCAATTTCTCTATCTCTATACAA	1844
Qy	1658	TATCCAAACAAGCTTTTTCACAGAATTCATGCAGTGCAGAAATCCCAAGAGTAACCTTTATCC	1717
Db	1845	TATCCAAACAAGCTTTTTCACAGAATTCATGCAGTGCAGAAATCCCAAGAGTAACCTTTATCC	1904
Qy	1718	ATTTTCATGGTGCAGTGCCTTTTAGAATTTTGGCAAAATCATACTGGTCACTTTATCTCAACTT	1777
Db	1905	ATTTTCATGGTGCAGTGCCTTTTAGAATTTTGGCAAAATCATACTGGTCACTTTATCTCAACTT	1964
Qy	1778	TGAGATGTTGTTGTCCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGGCACCTTT	1837
Db	1965	TGAGATGTTGTTGTCCTTGTAGTAAATTTGAAGAAATAGGGCACTCTTGTGAGGCACCTTT	2024
Qy	1838	AGGTTTCACCTCCCTGGCAATTAAGAATTTTCAAAAGA	1872
Db	2025	AGGTTTCACCTCCCTGGCAATTAAGAATTTTCAAAAGA	2059
RESULT 10			
US-09-759-143-470/c			
; Sequence 470, Application US/09759143			
; Patent No. US2002022248A1			
; GENERAL INFORMATION:			
; APPLICANT: Xu, Jiangchun			
; APPLICANT: Dillon, Davin C.			
; APPLICANT: Mitcham, Jennifer L.			
; APPLICANT: Harlocker, Susan L.			
; APPLICANT: Jiang, Yuqui			
; APPLICANT: Henderson, Robert A.			
; APPLICANT: Kalos, Michael D.			
; APPLICANT: Fanger, Gary R.			
; APPLICANT: Retter, Marc W.			
; APPLICANT: Stolk, John A.			
; APPLICANT: Day, Craig H.			
; APPLICANT: Vedvick, Thomas S.			
; APPLICANT: Carter, Darrick			
; APPLICANT: Li, Samuel			
; APPLICANT: Wang, Aijun			
; APPLICANT: Skeiky, Yasir A.W.			
; APPLICANT: Hepler, William			
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND			
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER			
; FILE REFERENCE: 21021 427C23			
; CURRENT APPLICATION NUMBER: US/09/759,143			
; CURRENT FILING DATE: 2001-01-12			
; NUMBER OF SEQ ID NOS: 934			
; SOFTWARE: FastSeq for Windows Version 3.0			
; SEQ ID NO 470			
; LENGTH: 2426			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
US-09-759-143-470			
Query Match 61.7%; Score 1155; DB 9; Length 2426;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	97	AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	156
Db	1770	AGGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	1711
Qy	157	GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATG	216
Db	1710	GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATG	1651
Qy	217	TTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA	276
Db	1650	TTTTTGCACATTTCCAGCCCCCTTTAAATATCCACACACAGGAAGCACAAAAGGAAGCA	1591
Qy	277	CAGAGATCCCTGGGAGAAATAGCCGGCGCCGATCTTGGGGTCATCGATGAGCCTCGCCCTG	336

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Db 1590 CAGAGATCCCTGGGAGAAATGCCGCGCCATCTTGGTTCATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTTCTTTAAAGG 396
Db 1530 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTTCTTTAAAGG 1471
QY 397 ATGGGAGAGAAACACATCTGTTGGATATTTTGAACGGGATTTACAGATTGAA 456
Db 1470 ATGGGAGAGAAACACATCTGTTGGATATTTTGAACGGGATTTACAGATTGAA 1411
QY 457 TGAAGTCAAAAGTGAAGTATCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 516
Db 1410 TGAAGTCAAAAGTGAAGTATCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 1351
QY 517 TCACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGGCAAGCTGGG 576
Db 1350 TCACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGGCAAGCTGGG 1291
QY 577 GAGGAGATTAACACGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTAACTCTGATCT 636
Db 1290 GAGGAGATTAACACGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTAACTCTGATCT 1231
QY 637 CATAAACAAATCATTTTCAATTTCTAACTCTAAACAAAGCTGTTGTAATATCTGATCT 696
Db 1230 CATAAACAAATCATTTTCAATTTCTAACTCTAAACAAAGCTGTTGTAATATCTGATCT 1171
QY 697 CTACGGTCTCTTGGGCGCAACATTTCTCATATATCCAGCCACATCTATTTTAAATTT 756
Db 1170 CTACGGTCTCTTGGGCGCAACATTTCTCATATATCCAGCCACATCTATTTTAAATTT 1111
QY 757 TAGTTCACAGATCTGATGACCTTTCTACATGTAAGTAATTAATTTGTT 816
Db 1110 TAGTTCACAGATCTGATGACCTTTCTACATGTAAGTAATTAATTTGTT 1051
QY 817 CAAAGACCTTCTGTTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGAT 876
Db 1050 CAAAGACCTTCTGTTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGAT 991
QY 877 GGGCCAGGGATCTGTAACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATACCT 936
Db 990 GGGCCAGGGATCTGTAACAGGCTGGGAGGATCTCAAGATCTTTCCAGGGTTATACCT 931
QY 937 ACTAGCACACAGATCATCATTCAGGAGTGAATTTCTAATCAACATCATCTCAGTGTC 996
Db 930 ACTAGCACACAGATCATCATTCAGGAGTGAATTTCTAATCAACATCATCTCAGTGTC 871
QY 997 TTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC 1056
Db 870 TTTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCGATTAATATCAGAGGATTAATCTTTTAACTGGAAGATTTCAATGTTACAT 1116
Db 810 ATTCCGATTAATATCAGAGGATTAATCTTTTAACTGGAAGATTTCAATGTTACAT 751
QY 1117 GCAGCTATGGAATTTAATTTACATATTTTGTGTTTCCAGTGCAAGATGATGATGATGAT 1176
Db 750 GCAGCTATGGAATTTAATTTACATATTTTGTGTTTCCAGTGCAAGATGATGATGATGAT 691
QY 1177 ATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTTAAAGTCTTAGCCTTGATCT 1236
Db 690 ATCCCTCCCTTGTGTTGATTTTTCAGTATAAAGTTTAAAGTCTTAGCCTTGATCT 631
QY 1237 GAGGCTGTATACGC 1251
Db 630 GAGGCTGTATACGC 616

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RESULT 11
 US-09-780-669-470/c
 ; Sequence 470, Application US/09780669
 ; Patent No. US20020051977A1
 ; GENERAL INFORMATION:

; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C24
 ; CURRENT APPLICATION NUMBER: US/09/780,669
 ; NUMBER OF SEQ ID NOS: 943
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 470
 ; LENGTH: 2426
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-780-669-470

Query Match 61.7%; Score 1155; DB 9; Length 2426;
 Best Local Similarity 100.0%; Pred. No. 0;

Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 97 AGTGAGAAATTAAGAAAGGCTGCTGACTTTACATCTGAGGCGCACACATCTGCTGAAATG 156
Db 1770 AGTGAGAAATTAAGAAAGGCTGCTGACTTTACATCTGAGGCGCACACATCTGCTGAAATG 1711
QY 157 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATG 216
Db 1710 GAGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTCTAAGTAGTGACATG 1651
QY 217 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGCAAAAGGAGCA 276
Db 1650 TTTTTCACATTTCCAGCCCTTTAAATATCCACACACAGAGAGCAAAAGGAGCA 1591
QY 277 CAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCCTGGGAGAAATGCCGCGCCCATCTTGGGTCTATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTTCTTTAAAGG 396
Db 1530 TGCCTGGTCCCGCTTGTGAGGAGAGACATTTAGAAAATGAATGTATGTGTTCTTTAAAGG 1471
QY 397 ATGGGAGAGAAACACATCTGTTGGATATTTTGAACGGGATTTACAGATTGAA 456
Db 1470 ATGGGAGAGAAACACATCTGTTGGATATTTTGAACGGGATTTACAGATTGAA 1411
QY 457 TGAAGTCAAAAGTGAAGTATCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 516
Db 1410 TGAAGTCAAAAGTGAAGTATCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCT 1351
QY 517 TCACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGGCAAGCTGGG 576
Db 1350 TCACAAGATGCAACAAACAAATGGAATATCTGTGATGACATGAGGAGGCAAGCTGGG 1291
QY 577 GAGGAGATTAACACGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTAACTCTGATCT 636
Db 1290 GAGGAGATTAACACGGGAGAGGTCAGGATTTCTGGCCCTGCTGCTAACTCTGATCT 1231

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QY 637 CATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTATATCTGATCT 696
Db 1230 CATAACCAAAATCATTTTCATATTTCTAAACCTCAAAAACAAAGCTGTTGTATATCTGATCT 1171
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCTTTTATATTT 756
Db 1170 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCTTTTATATTT 1111
QY 757 TAGTTCCTCCAGATCTGTGACCTTTCTTACATCTGTAGAAATCAATTAATCTCATTTTGT 816
Db 1110 TAGTTCCTCCAGATCTGTGACCTTTCTTACATCTGTAGAAATCAATTAATCTCATTTTGT 1051
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Db 1050 CAAAGACCTTCTGTGTGCTGCTTAATATGTAGTCTGACCTGTTTCTTAAAGAGTGTCT 991
QY 877 GSCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCT 936
Db 990 GSCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCT 931
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QY 1117 GCAGCTATGGGAATTTAATATACATATTTTGTGCCCCATTTCTCAAGATGACTAAGTCTTT 1176
Db 750 GCAGCTATGGGAATTTAATATACATATTTTGTGCCCCATTTCTCAAGATGACTAAGTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTGTGACT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTGTGACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616

RESULT 12
US-09-822-827-470/c
; Sequence 470, Application US/09822827
; Patent No. US20020081680A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534Cl
; CURRENT APPLICATION NUMBER: US/09/822, 827
; CURRENT FILING DATE: 2001-03-28
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-822-827-470

Query Match 61.7%; Score 1155; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred.No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 97 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db 1770 AGGTGAGAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711
QY 157 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATATGTCTTAAGTAGTGACATG 216
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Db 1710 GAGATAAATTAACATCACTAGAAACAGCAAGATGACAATATATGTCTTAAGTAGTGACATG 1651
QY 217 TTTTGTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCA 276
Db 1650 TTTTGTGCACATTTCCAGGCCCTTTAAATATCCACACACACAGGAAGCA 1591
QY 277 CAGAGATCCTCGGAGAAATGCCCGGCCCATCTTTGGGTCAATCGATGAGCCTCGCCCTG 336
Db 1590 CAGAGATCCTCGGAGAAATGCCCGGCCCATCTTTGGGTCAATCGATGAGCCTCGCCCTG 1531
QY 337 TGCCTGTGCTCCCTGTTGAGGGAAGCAATTAGAAAATGAATGTGTCTTCTTAAAG 396
Db 1530 TGCCTGTGCTCCCTGTTGAGGGAAGCAATTAGAAAATGAATGTGTCTTCTTAAAG 1471
QY 397 ATGGGCGAGGAAAACAGATCCTGTTGTGGATATTTTAAACGGGATTAACAGATTTGAAA 456
Db 1470 ATGGGCGAGGAAAACAGATCCTGTTGTGGATATTTTAAACGGGATTAACAGATTTGAAA 1411
QY 457 TGAAGTCAAAAGTGAGCANTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 516
Db 1410 TGAAGTCAAAAGTGAGCANTTACCAATGAGAGGAAAACAGACGAGAAAATCTTGATGGCT 1351
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Db 1350 TCACAAGACATCAACAAACAAATGGAATCTGTGATGACATGAGGCGAGCCAGCTGGG 1291
QY 577 GAGGAGATAACCAACGGGCGAGAGGTTCAGATTTCTGGCCCTCGTCTTAAACTGTGCGT 636
Db 1290 GAGGAGATAACCAACGGGCGAGAGGTTCAGATTTCTGGCCCTCGTCTTAAACTGTGCGT 1231
QY 637 CATAAACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTATATCTGATCT 696
Db 1230 CATAAACCAAAATCATTTTCATATTTCTAAACCTCAAAACAAAGCTGTTGTATATCTGATCT 1171
QY 697 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCTCAATTTTATAT 756
Db 1170 CTACGGTTCCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACATCTCAATTTTATAT 1111
QY 757 TAGTTCCTCCAGATCTGTGATGACCTTTCTACATCTGTAGAAATCAATTAATCTCATTTTGT 816
Db 1110 TAGTTCCTCCAGATCTGTGATGACCTTTCTACATCTGTAGAAATCAATTAATCTCATTTTGT 1051
QY 817 CAAAGACCTTCTGTTGCTGCTAATATGTAGTGAATGTTTCTTCCAGGAGTGTCT 876
Db 1050 CAAAGACCTTCTGTTGCTGCTAATATGTAGTGAATGTTTCTTCCAGGAGTGTCT 991
QY 877 GSCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCT 936
Db 990 GSCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACCT 931
QY 937 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 996
Db 930 ACTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGT 871
QY 997 TTTGCCCCATCTGAATTCATTTCCACATTTTGTGCCCCATTTCTCAAGACCTCAAAATGTC 1056
Db 870 TTTGCCCCATCTGAATTCATTTCCACATTTTGTGCCCCATTTCTCAAGACCTCAAAATGTC 811
QY 1057 ATTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGAAATCAATGTTACAT 1116
Db 810 ATTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGAAATCAATGTTACAT 751
QY 1117 GCAGCTATGGGAATTTAATATACATATTTTGTGCCCCATTTCTCAAGATGACTAAGTCTTT 1176
Db 750 GCAGCTATGGGAATTTAATATACATATTTTGTGCCCCATTTCTCAAGATGACTAAGTCTTT 691
QY 1177 ATCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTGTGACT 1236
Db 690 ATCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTGTGACT 631
QY 1237 GAGGCTGTATACAGC 1251
Db 630 GAGGCTGTATACAGC 616
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Db      630 GAGGCTGTATACAGC 616

RESULT 13
US-09-895-793-470/c
; Sequence 470, Application US/09895793
; Publication No. US20020192763A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yugu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedrick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.534C2
; CURRENT APPLICATION NUMBER: US/09/895,793
; CURRENT FILING DATE: 2001-06-29
; NUMBER OF SEQ ID NOS: 982
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-793-470

Query Match      61.7%; Score 1155; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      97 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 156
Db      1770 AGGTGAGAATAAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG 1711

QY      157 GAGATTAATTAACATCTAGAAACAGCAGATGACATTAATGTTAAGTAGTGACATG 216
Db      1710 GAGATTAATTAACATCTAGAAACAGCAGATGACATTAATGTTAAGTAGTGACATG 1651

QY      217 TTTTGGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAGCAACAAAGGAAGCA 276
Db      1650 TTTTGGCACATTTCCAGCCCTTTTAAATATCCACACACACAGAGCAACAAAGGAAGCA 1591

QY      277 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCGATGAGCCCTCGCCCTG 336
Db      1590 CAGAGATCCCTGGGAGAAATGCCCGGCCCATCTTTGGGTCTCGATGAGCCCTCGCCCTG 1531

QY      337 TGCCTGGTCCCGTTGTGAGGAGAGACATTAAGAAATGAATGATGTTCTTTAAAGG 396
Db      1530 TGCCTGGTCCCGTTGTGAGGAGAGACATTAAGAAATGAATGATGTTCTTTAAAGG 1471

QY      397 ATGGGAGAGAAACACATCTGTTGGGATATTTTGAACGGGATTAACAGATTTGAAA 456
Db      1470 ATGGGAGAGAAACACATCTGTTGGGATATTTTGAACGGGATTAACAGATTTGAAA 1411

QY      457 TGAAGTCACAAAGTGAAGCATTTACCATAGAGGAGAAACAGACAGAGAAATCTTGATGGCT 516

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RESULT 14
 US-09-895-814-470/c
 ; Sequence 470, Application US/09895814
 ; Publication No. US20020193296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yugu
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedrick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aijun

i. ORGANISM: Homo sapiens									
US-10-012-896-470									
Query Match 61.7%; Score 1155; DB 13; Length 2426;									
Best Local Similarity 100.0%; Pred. No. 0;									
Matches 1155; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
QY	97	AGGTGAGAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	156						
Db	1770	AGGTGAGAATAAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATG	1711						
QY	157	GAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTTCTAAGTAGTGACATG	216						
Db	1710	GAGATAATTAACATCACTAGAAACAGCAAGATGACAATATAATGTTCTAAGTAGTGACATG	1651						
QY	217	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCA	276						
Db	1650	TTTTTGCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAACAAAGGAAGCA	1591						
QY	277	CAGAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCTCGATGAGCCTCGCCCTG	336						
Db	1590	CAGAGATCCCTGGGAGAAATGCCCGCCGATCTTGGGTCTCGATGAGCCTCGCCCTG	1531						
QY	337	TGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTCTCTTAAAGG	396						
Db	1530	TGCTCGTCCCGCTTGTGAGGGAAGGACATTAGAAAATGAATGTGTCTCTTAAAGG	1471						
QY	397	ATGGGAGGAAACACAGATCTGTGTGTGATATTTTGAACGGGATACAGATTTGAAA	456						
Db	1470	ATGGGAGGAAACACAGATCTGTGTGTGATATTTTGAACGGGATACAGATTTGAAA	1411						
QY	457	TGAAGTCACAAAGTGAGCATACCAATGAGGAGAAACAGCAGAGAAAATCTTGATGGCT	516						
Db	1410	TGAAGTCACAAAGTGAGCATACCAATGAGGAGAAACAGCAGAGAAAATCTTGATGGCT	1351						
QY	517	TCACAAAGACATGCAACAAACAAATGGAATGATGTGATGACATGAGGCGCCCAAGCTGGG	576						
Db	1350	TCACAAAGACATGCAACAAACAAATGGAATGATGTGATGACATGAGGCGCCCAAGCTGGG	1291						
QY	577	GAGGAGATAACACCGGGGAGAGGGTCAGGATCTGGCCCTGCTGCTTAACTGTGCGTT	636						
Db	1290	GAGGAGATAACACCGGGGAGAGGGTCAGGATCTGGCCCTGCTGCTTAACTGTGCGTT	1231						
QY	637	CATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT	696						
Db	1230	CATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAGCTGTTGTAATATCTGATCT	1171						
QY	697	CTACGGTTCCTCTGGGCCCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATAT	756						
Db	1170	CTACGGTTCCTCTGGGCCCCAACATTTCTCCATATATCCAGCCACACTCATTTTAAATAT	1111						
QY	757	TAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTGTT	816						
Db	1110	TAGTTCAGATCTGTACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTGTT	1051						
QY	817	CAAGACCTTTCGTGTGCTGCTAATATGATGATGATGATGATGATGATGATGATGATGAT	876						
Db	1050	CAAGACCTTTCGTGTGCTGCTAATATGATGATGATGATGATGATGATGATGATGATGAT	991						
QY	877	GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTT	936						
Db	990	GGCCCAAGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTT	931						
QY	937	ACTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCAATCAATCATCTCAGTGTC	996						
Db	930	ACTAGCACACAGCATGATCAATTAAGGAGTGAATTAATCAATCAATCATCTCAGTGTC	871						
QY	997	TTTTGCCCATACTGAATTCATTTCCACTTTTGGCCCTTCTCAAGACCTCAAAATGTC	1056						
Db	870	TTTTGCCCATACTGAATTCATTTCCACTTTTGGCCCTTCTCAAGACCTCAAAATGTC	811						
QY	1057	ATTCCCAATTAATATCACAGGATTAACCTTTTAACTGGGAAGATTCATATGTTACAT	1116						

Search completed: April 7, 2005, 00:29:40
Job time : 1075.58 secs

Query Match		80.0%;	Score 1629;	DB 9;	Length 3923;
Best Local Similarity		99.6%;	Pred. No. 0;		
Matches 2029;		Conservative 0;	Mismatches 8;	Indels 0;	Gaps 0;
QY	1	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCGAGCCGAGGAGACACAG	60		
DB	23	AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCGAGCCGAGGAGACACAG	82		
QY	61	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATATCTTAG	120		
DB	83	GAAGATCTGCATGGTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATATCTTAG	142		
QY	121	TGTTTTCAATGAACCAACCAATAAATGAAGTGAAGAGCTAGTCCGCTGAGTCTCTCAGT	180		
DB	143	TGTTTTCAATGAACCAACCAATAAATGAAGTGAAGAGCTAGTCCGCTGAGTCTCTCAGT	202		
QY	181	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAAAGAAAGA	240		
DB	203	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAAAGAAAGA	262		
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGATTTACCATCTGA	300		
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGATTTACCATCTGA	322		
QY	301	GGCCACACATCTGCTGAATGGAGATAATTAACATCAGTACAGCAAGCAAGATGACAATA	360		
DB	323	GGCCACACATCTGCTGAATGGAGATAATTAACATCAGTACAGCAAGCAAGATGACAATA	382		
QY	361	TAATGCTTAAGTAGTACATGTTTTTGCACTTTCCAGCCCTTTAAATPATCCACACACA	420		
DB	383	TAATGCTTAAGTAGTACATGTTTTTGCACTTTCCAGCCCTTTAAATPATCCACACACA	442		
QY	421	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCGCATCTTGGG	480		
DB	443	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGCGCATCTTGGG	502		
QY	481	TCATCGATCAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	540		
DB	503	TCATCGATCAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	562		
QY	541	AAATTGATGTGTTCTTTAAAGTAGGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTG	600		
DB	563	AAATTGATGTGTTCTTTAAAGTAGGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTG	622		
QY	601	AACGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA	660		
DB	623	AACGGATTTACAGATTTGAAATGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA	682		
QY	661	GACGAAAAATCTTGATGCTTTCACAAAGATGCAACAAACAAATGGAATACTGTGATG	720		
DB	683	GACGAAAAATCTTGATGCTTTCACAAAGATGCAACAAACAAATGGAATACTGTGATG	742		
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAACCAAGGAGAGGGTCAAGGATTTCTGGCC	780		
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAACCAAGGAGAGGGTCAAGGATTTCTGGCC	802		
QY	781	CTGCTGCTTAAACTGTGCGTTTCAACCAAAATCAATTTTCAATTTTCAACCCCTCAAAACAA	840		
DB	803	CTGCTGCTTAAACTGTGCGTTTCAACCAAAATCAATTTTCAATTTTCAACCCCTCAAAACAA	862		
QY	841	AGCTGTTGTAATCTGATCTCTACGGTTTCTTCTGGGCCCAACATTTCTCCATATATCCA	900		
DB	863	AGCTGTTGTAATCTGATCTCTACGGTTTCTTCTGGGCCCAACATTTCTCCATATATCCA	922		
QY	901	GCCACACTCATTTTTTAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	960		
DB	923	GCCACACTCATTTTTTAATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	982		
QY	961	AATAACATTTACTATTTTGTTCAAAGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1020		
DB	983	AATAACATTTACTATTTTGTTCAAAGACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1042		

RESULT 2

US-09-780-669-690
; Sequence 690, Application US/09780669
; Patent No. US20020051977A1

QY	1021	GTTCCTTCTTAAGGAGTGTTCCTGGCCACGAGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTCCTTCTTAAGGAGTGTTCCTGGCCACGAGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCAGGGTTATATCTTACTAGACACAGCATGATCATTACGGAGTGAATATCTTA	1140
DB	1103	GATCTTTCAGGGTTATATCTTACTAGACACAGCATGATCATTACGGAGTGAATATCTTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGGCCCATCTGAATTCATTTCCCATCTTTGTCGCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGGCCCATCTGAATTCATTTCCCATCTTTGTCGCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCTTCCATTAATATACAGGATTAATCTTTTTTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCTTCCATTAATATACAGGATTAATCTTTTTTTTAAACC	1282
QY	1261	TGGAAGAAATCAATGTTACATGAGCTATGGGAATTAATTAATTAATTAATTTGTTTCCAGT	1320
DB	1283	TGGAAGAAATCAATGTTACATGAGCTATGGGAATTAATTAATTAATTTGTTTCCAGT	1342
QY	1321	GCAAGATGACTTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT	1380
DB	1343	GCAAGATGACTTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAAGT	1402
QY	1381	TAAATGCTTACCTTTGAGCTGTATACAGCAGACGCTCTCCCATCTCCCTCCAGC	1440
DB	1403	TAAATGCTTACCTTTGAGCTGTATACAGCAGACGCTCTCCCATCTCCCTCCAGC	1462
QY	1441	CTTATCTGTCTACCATCAACCCCTCCCATNYSACCTAAACAAATCTTAATCTTGAAT	1500
DB	1463	CTTATCTGTCTACCATCAACCCCTCCCATNYSACCTAAACAAATCTTAATCTTGAAT	1522
QY	1501	CCTTCAACATGTGAGGNCATATTTCTCTCTGAGAGCTCTTCTCTTGTCTCTT	1560
DB	1523	CCTTCAACATGTGAGGNCATATTTCTCTCTGAGAGCTCTTCTCTTGTCTCTT	1582
QY	1561	AANTCTAGAATGATGATAAAGTTTGAATAAGTTGATCTTCTTCTATGCAAGAAAGG	1620
DB	1583	AANTCTAGAATGATGATAAAGTTTGAATAAGTTGATCTTCTTCTATGCAAGAAAGG	1642
QY	1621	ACACATATGAGATTCATCATCATGAGACCAATATCTAAAGTGTAAATTTGATATATA	1680
DB	1643	ACACATATGAGATTCATCATCATGAGACCAATATCTAAAGTGTAAATTTGATATATA	1702
QY	1681	AGAGTTTATAGATAAATATATGAAATGCAAGACCAAGGGAATGTTTATGGGCAACGTT	1740
DB	1703	AGAGTTTATAGATAAATATATGAAATGCAAGACCAAGGGAATGTTTATGGGCAACGTT	1762
QY	1741	TGTAAGCCTGGGATGTGAAGMAAAGCGAGGAACTCATAGTATCTTATATATATATCTT	1800
DB	1763	TGTAAGCCTGGGATGTGAAGMAAAGCGAGGAACTCATAGTATCTTATATATATATCTT	1822
QY	1801	CATTTCTCTATCTCATCATATATCAACAGCTTTTTCAGAGATTCATGCGAGTGCATA	1860
DB	1823	CATTTCTCTATCTCATCATATATCAACAGCTTTTTCAGAGATTCATGCGAGTGCATA	1882
QY	1861	TCCCAAGAGTAACTTTTATTCATTTGAGTGGCTTTTATAGAAATTTTGGCAAAATCA	1920
DB	1883	TCCCAAGAGTAACTTTTATTCATTTGAGTGGCTTTTATAGAAATTTTGGCAAAATCA	1942
QY	1921	TACTGGTCACTTATCTCAACTTTTGAAGTGTGTTTGTCTTGTAGTAAATTTGAAGAAATA	1980
DB	1943	TACTGGTCACTTATCTCAACTTTTGAAGTGTGTTTGTCTTGTAGTAAATTTGAAGAAATA	2002
QY	1981	GGGCACTCTTGTGAGCCACTTTAGGTTTCACTCTTGGCAATAAAGAAATTTTCAAGA	2037
DB	2003	GGGCACTCTTGTGAGCCACTTTAGGTTTCACTCTTGGCAATAAAGAAATTTTCAAGA	2059

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yuqui
 APPLICANT: Henderson, Robert A.
 APPLICANT: Kalos, Michael D.
 APPLICANT: Fanger, Gary R.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolk, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedrick, Thomas S.
 APPLICANT: Carter, Darrick
 APPLICANT: Li, Samuel
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Hepler, William
 APPLICANT: Hural, John
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Houghton, Raymond L.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.427C24
 CURRENT APPLICATION NUMBER: US/09/780, 669
 NUMBER OF SEQ ID NOS: 943
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 690
 LENGTH: 3923
 TYPE: DNA
 ORGANISM: Homo sapien
 US-09-780-669-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;

Best Local Similarity 99.8%; Pred. No. 0; Mismatches 8; Indels 0; Gaps 0;

Matches 2029; Conservative 0;

QY	1	AGAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACACAG	60
DB	23	AGNAGCTGGCATCAGAAAAACAGAGGGAGATTGTGTGGCTGCAGCCGAGGGAGACACAG	82
QY	61	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAATTACAAACATATCTTAG	120
DB	83	GAAGATCTGCATGTGGGAAGGACCTGATGATACAGAGGAATTACAAACATATCTTAG	142
QY	121	TGTTTCAATGACACCAAGATAAATGAATGAAGAGTAGTCCGCTGTGAGTCTCCTCAGT	180
DB	143	TGTTTCAATGACACCAAGATAAATGAATGAAGAGTAGTCCGCTGTGAGTCTCCTCAGT	202
QY	181	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	240
DB	203	GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA	262
QY	241	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	300
DB	263	CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA	322
QY	301	GGCCACACATCTGCTGAATGGAGATAATTAACATCCTAGAAAACAGCAAGATGCAATA	360
DB	323	GGCCACACATCTGCTGAATGGAGATAATTAACATCCTAGAAAACAGCAAGATGCAATA	382
QY	361	TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACA	420
DB	383	TAATGTCTAAGTAGTACATGTTTTTGCACATTTCCAGCCCTTTTAAATATCCACACA	442
QY	421	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGACCTCTTGGG	480
DB	443	CAGGAAGCAAAAAGGAAGCAGAGATCCCTGGGAGAAATGCCGGCCGACCTCTTGGG	502
QY	481	TCATGATGAGCCTCGCCCTGTGCTGGTCCGCTGTGAGGAGGACATTAGAAAATG	540
DB	503	TCATGATGAGCCTCGCCCTGTGCTGGTCCGCTGTGAGGAGGACATTAGAAAATG	562

QY	541	AATTGATGTTCTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTATTG	600
DB	563	AATTGATGTTCTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTATTG	622
QY	601	AACGGGATTACAGATTGAAATGAAGTCAAAAAGTAGGATTAACCAATGAGAGAAAACA	660
DB	623	AACGGGATTACAGATTGAAATGAAGTCAAAAAGTAGGATTAACCAATGAGAGAAAACA	682
QY	661	GACGAGAAAAATCTTGATGGCTTCAAAAGACATGCAAAACAAATGGAATCTGTGATG	720
DB	683	GACGAGAAAAATCTTGATGGCTTCAAAAGACATGCAAAACAAATGGAATCTGTGATG	742
QY	721	ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGGCTCAGGATTTCTGGCC	780
DB	743	ACATGAGGAGCAAGCTGGGAGGAGATAACACGGGGCAGAGGGCTCAGGATTTCTGGCC	802
QY	781	CTGCTGCCATAAATGTGGCTTCAATAACAAATCATTTTCAATATTTTAAACCTCAAAACAA	840
DB	803	CTGCTGCCATAAATGTGGCTTCAATAACAAATCATTTTCAATATTTTAAACCTCAAAACAA	862
QY	841	AGCTGTTGTAATCTGATCTCTAGGTTCTCTGAGGCTCTCTGGGGCCCAACATTTCTCCATATATCA	900
DB	863	AGCTGTTGTAATCTGATCTCTAGGTTCTCTAGGTTCTCTGGGGCCCAACATTTCTCCATATATCA	922
QY	901	GCACACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	960
DB	923	GCACACACTCATTTTAAATATTTAGTTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG	982
QY	961	AATAACATTACTCATTTTGTTCAAAGACCTTCTGTTGCTGCTGCTTAATATGATGACT	1020
DB	983	AATAACATTACTCATTTTGTTCAAAGACCTTCTGTTGCTGCTTAATATGATGACT	1042
QY	1021	GTTTTCTTAAGGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1080
DB	1043	GTTTTCTTAAGGAGTGTTCGCGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA	1102
QY	1081	GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGAGTGAATATCTA	1140
DB	1103	GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGAGTGAATATCTA	1162
QY	1141	ATCAACATCATCTCAGTGTCTTTGGCCCATACGAAATTCATTTCCCATCTTTGTGCCCA	1200
DB	1163	ATCAACATCATCTCAGTGTCTTTGGCCCATACGAAATTCATTTCCCATCTTTGTGCCCA	1222
QY	1201	TTCTCAAGACCTCAAAATGTCAATTAATATCACAGGATTAATCTTTTAAACC	1260
DB	1223	TTCTCAAGACCTCAAAATGTCAATTAATATCACAGGATTAATCTTTTAAACC	1282
QY	1261	TGGAAGAATTCAATGTTACATGACGTATGGGAATTTAATTAACATATTTTGTTCAGT	1320
DB	1283	TGGAAGAATTCAATGTTACATGACGTATGGGAATTTAATTAACATATTTTGTTCAGT	1342
QY	1321	GAAAAGATGATTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAGT	1380
DB	1343	GAAAAGATGATTAAGTCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAAGT	1402
QY	1381	TAAATGCTTAGCTTGTACTGAGGCTGTATACAGACAGGCTCTCCCATCCCTCCAGC	1440
DB	1403	TAAATGCTTAGCTTGTACTGAGGCTGTATACAGACAGGCTCTCCCATCCCTCCAGC	1462
QY	1441	CTTATCTGTCAACATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT	1500
DB	1463	CTTATCTGTCAACATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGTAAAT	1522
QY	1501	CCTTCAACATGTCAGGNCATACATTTCTTCTGCTGAGAAAGCTCTTCTGTGCTCTT	1560
DB	1523	CCTTCAACATGTCAGGNCATACATTTCTTCTGCTGAGAAAGCTCTTCTGTGCTCTT	1582
QY	1561	AANTCTAGATGATTAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGGG	1620
DB	1583	AANTCTAGATGATTAAGTTTGAATTAAGTTGACTATCTTACTTATGCAAGAGGG	1642

1621 ACACATATGAGATTCATCATCATGAGACAGCAAACTATAAAGTGTAATTTGATTATA 1680
 1643 ACACATATGAGATTCATCATCATGAGACAGCAAACTATAAAGTGTAATTTGATTATA 1702
 1681 AGAGTTTATGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGACAGTT 1740
 1703 AGAGTTTATGATAAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGACAGTT 1762
 1741 TGTAAGCTGGGATGTAAGMAAAGCGGGAACCTCATAGTATCTTATATATATATCTT 1800
 1763 TGTAAGCTGGGATGTAAGMAAAGCGGGAACCTCATAGTATCTTATATATATATCTT 1822
 1801 CATTTCTCTATCTCTATCATATATCAATATCAATGCTTTTACAGAAATTCATGAGTGCMAA 1860
 1823 CATTTCTCTATCTCTATCATATATCAATATCAATGCTTTTACAGAAATTCATGAGTGCMAA 1882
 1861 TCCCAAAGGTAACTTTATCCATTTTCAATGCTGAGTGGCTTTAGAAATTTGGCAAAATCA 1920
 1883 TCCCAAAGGTAACTTTATCCATTTTCAATGCTGAGTGGCTTTAGAAATTTGGCAAAATCA 1942
 1921 TACTGCTACTTATCTCAACTTTGAGATGCTTTGCTGCTGAGTAAATGGAAGAAATA 1980
 1943 TACTGCTACTTATCTCAACTTTGAGATGCTTTGCTGCTGAGTAAATGGAAGAAATA 2002
 1981 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2037
 2003 GGGCACTCTGTGAGCCACTTTAGGGTTTCACTCTCGGCAATAAAGAAATTTACAAAGA 2059

RESULT 3

US-09-822-827-690
 ; Sequence 690, Application US/09822827
 ; Patent No. US20020081680A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.534C1
 ; CURRENT FILING DATE: 2001-03-28
 ; NUMBER OF SEQ ID NOS: 982
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; US-09-822-827-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;
 Best Local Similarity 99.6%; Pred. No. 0;
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGGAGACCAG 60
 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGGAGACCAG 82
 61 GAAGATCTGCTGCTGGGAGGAGCTGATGATACAGAGGAATTTACACATATATCTTAG 120
 83 GAAGATCTGCTGCTGGGAGGAGCTGATGATACAGAGGAATTTACACATATATCTTAG 142
 121 TGTTCCTCAATGAACACCAAGATAAATGAGAGAGCTAGTCCGCTGTGAGTCTCTCTAGT 180
 143 TGTTCCTCAATGAACACCAAGATAAATGAGAGAGCTAGTCCGCTGTGAGTCTCTCTAGT 202
 181 GACACAGGCTGGATCACCATCGACGGCTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
 203 GACACAGGCTGGATCACCATCGACGGCTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
 241 CTACACATCTCAATGGGAGGCTGAGAAATGAAGAGCTCTGCTGACTTTACCATCTGA 300
 263 CTACACATCTCAATGGGAGGCTGAGAAATGAAGAGCTCTGCTGACTTTACCATCTGA 322
 301 GGCCACACATCTGCTGAAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360

323 GSCCACAATCTGCTGAAATGGAGATAATTAACATCACTAGAAAACAGCAAGATGACAATA 382
 361 TAAATCTAAGTAGTACATGTTTTCACATTTCCAGCCCTTTTAAATATCCACACACA 420
 383 TAAATCTAAGTAGTACATGTTTTCACATTTCCAGCCCTTTTAAATATCCACACACA 442
 421 CAGGAAGCAGAAAAGAGCAGAGATCCCTGGGAGAAAATGCCCGCGCCGATCTTTGGG 480
 443 CAGGAAGCAGAAAAGAGCAGAGATCCCTGGGAGAAAATGCCCGCGCCGATCTTTGGG 502
 481 TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
 503 TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
 541 AATTCATGCTGCTTAAAGGATGGGAGGAGAAACAGATCCCTGTTGTGGATATTTATTTG 600
 563 AATTCATGCTGCTTAAAGGATGGGAGGAGAAACAGATCCCTGTTGTGGATATTTATTTG 622
 601 AACGGGATTTACAGATTTTGAATGAAGTCAAAAATGAGCATTTACCAATGAGAGGAAAAA 660
 623 AACGGGATTTACAGATTTTGAATGAAGTCAAAAATGAGCATTTACCAATGAGAGGAAAAA 682
 661 GACGAGAAAATCTTGATGCTTTCACAGACATGCAAAACAAAATGGAATCTGTGATG 720
 683 GACGAGAAAATCTTGATGCTTTCACAGACATGCAAAACAAAATGGAATCTGTGATG 742
 721 ACATGAGGAGCAAGCTGGGAGGAGATTAACAGGGGAGAGGATTCAGGATTCCTGGCC 780
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 781 CTGCTGCTTAACTGTGGTTCATAACCAAAATCATTTTCTATTTCTAAGCCCTCAAAAACA 840
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 841 AGCTGTTGTAATATCTGATCTCTACGGTTCCTTCTGGGCCCCAACATTCCTCATATATCA 900
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 901 GCCACACTCATTTTAAATATTTAGTTCACAGATCTGATGCTGACCTTCTACACTGTAG 960
 923 GCCACACTCATTTTAAATATTTAGTTCACAGATCTGATGCTGACCTTCTACACTGTAG 982
 961 AATAACATTTACTCATTTTGTTCAAAAGACCTTCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 1020
 983 AATAACATTTACTCATTTTGTTCAAAAGACCTTCTGTTGCTGCTGCTGCTGCTGCTGCTGCT 1042
 1021 GTTTTTCTTAAGAGATGTTTGGCCCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAA 1080
 1043 GTTTTTCTTAAGAGATGTTTGGCCCCAGGGGATCTGTGAACAGGCTGGGAGCATCTCAA 1102
 1081 GATCTTCCAGGGTATATCTTACTAGCACACAGCATGATTCATTACGGAGTGAATATCTTA 1140
 1103 GATCTTCCAGGGTATATCTTACTAGCACACAGCATGATTCATTACGGAGTGAATATCTTA 1162
 1141 ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCTGCTGCTGCTGCTGCT 1200
 1163 ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCTGCTGCTGCTGCTGCT 1222
 1201 TTCTCAAGACCTTCAAAATGTCATTCCATTAATATCAAGGATTAATTTTTTTTTTAAC 1260
 1223 TTCTCAAGACCTTCAAAATGTCATTCCATTAATATCAAGGATTAATTTTTTTTTTAAC 1282
 1261 TCGAAGATTTCAATCTTACATGAGTGGGAAATTTAATTAATATATTTTGTTCCTGCT 1320
 1283 TCGAAGATTTCAATCTTACATGAGTGGGAAATTTAATTAATATATTTTGTTCCTGCT 1342
 1321 GCAAGATGACTTAAGTCTTTTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1380
 1343 GCAAGATGACTTAAGTCTTTTATCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1402
 1381 TAAATGCTTACCTGTTGATGAGGCTGATACAGCAAGCTCTCCCATCTCCCTCAGC 1440

Db 1403 TAAATGCTTAGCCTTGTAAGGCTGTATATACAGACAGCCCTCTCCCATCCCTCCAGC 1462
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 Db 1463 CTTATCTGTGTCATCACCATCAACCCCTCCCATNTYSACTTAACAAAATCTAACTTTGTAAT 1522
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 Db 1523 CTTTGAACATGTCAGNCATACATTTCTCTCTGCTGAGAGCTCTCTCTGCTCTCTT 1582
 QY 1561 AANTCTAGATGATGTAAAGTTTGAATAGTTGACTATCTTACTTCTATCTGCAAGAGGG 1620
 Db 1583 AATCTAGATGATGTAAAGTTTGAATAGTTGACTATCTTACTTCTATCTGCAAGAGGG 1642
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 Db 1703 AGATTTAGATTAATATATGAATGCAAGKCCACAGAGGAATGTTTATGGGCAAGTT 1762
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 QY 1861 TCCCCAAAGGTAACTTTATCCATTTTCATGAGTGGGCTTTAGAAATTTTGGCAAAATCA 1920
 Db 1883 TCCCCAAAGGTAACTTTATCCATTTTCATGAGTGGGCTTTAGAAATTTTGGCAAAATCA 1942
 QY 1921 TACTGTCTACTTATCTCACTTTGAGATGTTTGTCTGTAGTTAAATTTGAAGAAATA 1980
 Db 1943 TACTGTCTACTTATCTCACTTTGAGATGTTTGTCTGTAGTTAAATTTGAAGAAATA 2002
 QY 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAGAAATTTACAAAGA 2037
 Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAGAAATTTACAAAGA 2059

RESULT 4

US-09-895-793-690
 ; Sequence 690, Application US/09895793
 ; Publication No. US20020192763A1

GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun
 APPLICANT: Dillon, Davin C.
 APPLICANT: Mitcham, Jennifer L.
 APPLICANT: Harlocker, Susan L.
 APPLICANT: Jiang, Yuqiu
 APPLICANT: Kalos, Michael D.
 APPLICANT: Retter, Marc W.
 APPLICANT: Stolk, John A.
 APPLICANT: Day, Craig H.
 APPLICANT: Vedvick, Thomas S.
 APPLICANT: Carter, Darrick
 APPLICANT: Li, Samuel X.
 APPLICANT: Wang, Aijun
 APPLICANT: Skeiky, Yasir A.W.
 APPLICANT: Hepler, William T.
 APPLICANT: Henderson, Robert A.
 APPLICANT: Hural, John
 APPLICANT: McNeill, Patricia D.
 APPLICANT: Houghton, Raymond L.
 APPLICANT: Vinals de Bassols, Carlota
 APPLICANT: Foy, Teresa
 APPLICANT: Fanger, Gary R.
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
 FILE REFERENCE: 210121.534C2

; CURRENT APPLICATION NUMBER: US/09/895,793
 ; CURRENT FILING DATE: 2001-06-29
 ; NUMBER OF SEQ ID NOS: 982
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 ; US-09-895-793-690

Query Match 80.0%; Score 1629; DB 9; Length 3923;
 Best Local Similarity 99.6%; Pred. No. 0;
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCACCCGAGGGAGACCAG 60
 Db 23 AGAAGCTGCGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCACCCGAGGGAGACCAG 82
 QY 61 GAAGATCTGCATGCTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG 120
 Db 83 GAAGATCTGCATGCTGGGAAAGGACCTGATGATACAGAGGAAATTACAAACATATACTTAG 142
 QY 121 TGTTCATTAAGAACCAACAGATTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCCTCAGT 180
 Db 143 TGTTCATTAAGAACCAACAGATTAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCCTCAGT 202
 QY 181 GACACAGGCTCGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
 Db 203 GACACAGGCTCGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
 QY 241 CTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300
 Db 263 CTACAGACATCTCAATGCGAGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322
 QY 301 GCGCACACATCTGCTGAATGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
 Db 323 GCGCACACATCTGCTGAATGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382
 QY 361 TAATGCTAAGTAGTACATGTTTTTGGACATTTTCCAGCCCTTTTAAATATCCACACACA 420
 Db 383 TAATGCTAAGTAGTACATGTTTTTGGACATTTTCCAGCCCTTTTAAATATCCACACACA 442
 QY 421 CAGGAAGCAAAAAAGGAAGCAAGATCCCTGGGAGAAATGCCGGCCGCAATCTTGGG 480
 Db 443 CAGGAAGCAAAAAAGGAAGCAAGATCCCTGGGAGAAATGCCGGCCGCAATCTTGGG 502
 QY 481 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
 Db 503 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562
 QY 541 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTG 600
 Db 563 AATTGATGTTTCTTAAAGGATGGCAGGAAAAACAGATCCTGTTGTGGATATTTATTTG 622
 QY 601 AACGGGATTCAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA 660
 Db 623 AACGGGATTCAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA 682
 QY 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATGATGTGATG 720
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 Db 743 ACATGAGGAGCAAGCTGGGAGGAGATAACACAGGGGAGAGGGTCAGGATTTCTGGCC 802
 QY 781 CTGCTGCTTAAACTGTGCGTTCAATACCAAAATCATTTTCAATTTTAAACCTCAAAACAA 840
 Db 803 CTGCTGCTTAAACTGTGCGTTCAATACCAAAATCATTTTCAATTTTCTTAAACCTCAAAACAA 862
 QY 841 AGCTGTTGTAATATCTGATCTCTAGGGTCTCTTCTGGGGCCCAACATTTCCATATATCCA 900
 Db 863 AGCTGTTGTAATATCTGATCTCTAGGGTCTCTTCTGGGGCCCAACATTTCCATATATCCA 922

QY 901 GCACACTCAATTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTCTTACACTGTAG 960
 Db 923 GCACACTCAATTTTAAATTTAGTTCCAGATCTGTACTGTGACCTTCTTACACTGTAG 982
 QY 961 AATAACATTACTCAATTTTCAAGAGCCCTTCGTGTCTGCTCCCTAATATAGTAGCTGACT 1020
 Db 983 AATAACATTACTCAATTTTCAAGAGCCCTTCGTGTCTGCTCCCTAATATAGTAGCTGACT 1042
 QY 1021 GTTTTCTTAAGAGGTGTTCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
 Db 1043 GTTTTCTTAAGAGGTGTTCTGCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
 QY 1081 GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA 1140
 Db 1103 GATCTTTCCAGGGTTATCTTACTAGCACACAGCATGATCATTTACGGAGTGAATATCTTA 1162
 QY 1141 ATCAACATCATCTCAGTGTCTTTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCA 1200
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 QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAACC 1260
 Db 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATACAGGATTAATTTTTTTTAAACC 1282
 QY 1261 TGGAGAATTCATGTTTACATGCTAGCTATGGGAATTTAATTAATATATATTTTCCAGT 1320
 Db 1283 TGGAGAATTCATGTTTACATGCTAGCTATGGGAATTTAATTAATATATATTTTCCAGT 1342
 QY 1321 GCAAAGATGACTAAGTCCTTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTAAAGT 1380
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 QY 1381 TAAATGCTTAGCTTGTAAGTGTATATACAGCAGACGCTCTCCCATCTCCCTCCAGC 1440
 Db 1403 TAAATGCTTAGCTTGTAAGTGTATATACAGCAGACGCTCTCCCATCTCCCTCCAGC 1462
 QY 1441 CTTATCTGTCATCACCATCAACCCCTCCCATNYSACTTAAACAAATCTAACTTGAAT 1500
 Db 1463 CTTATCTGTCATCACCATCAACCCCTCCCATACCCTAACAATACTTAACTTGAAT 1522
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 QY 1621 ACACATATGAGATTTCATCATCATGACAGCAATATCTTAAAGTGTAAATTTGATTATA 1680
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 QY 1681 AGAGTTTAGATAAATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCGACGTT 1740
 Db 1703 AGAGTTTAGATAAATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCGACGTT 1762
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 QY 1801 CATTTCTCTATCTATCAATATCAACAGCTTTTCCAGAGATTCATGAGTGCATAA 1860
 Db 1823 CATTTCTCTATCTATCAATATCAACAGCTTTTCCAGAGATTCATGAGTGCATAA 1882
 QY 1861 TCCCCAAAGGTAACTTTATCCATTTTATGGTGAAGTGCCTTTTGAATTTTGGCAATCA 1920
 Db 1883 TCCCCAAAGGTAACTTTATCCATTTTATGGTGAAGTGCCTTTTGAATTTTGGCAATCA 1942
 QY 1921 TACTGTCTATCTATCTCAACTTTGAGATGTTTGTCTTGTAGTTTAAATTTGAAAGAAATA 1980
 Db 1943 TACTGTCTATCTATCTCAACTTTGAGATGTTTGTCTTGTAGTTTAAATTTGAAAGAAATA 2002

QY 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2037
 Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTGGCAATAAAGAAATTTACAAAGA 2059
 RESULT 5
 US-09-895-814-690
 ; Sequence 690, Application US/09895814
 ; Publication No. US20020193296A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yudi
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel X.
 ; APPLICANT: Wang, Aljun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William T.
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; APPLICANT: Vinals de Bassols, Carlota
 ; APPLICANT: Foy, Teresa
 ; APPLICANT: Fanger, Gary R.
 ; TITLE OF INVENTION: COMPOSITIONS OF PROSTATE CANCER
 ; FILE REFERENCE: 210121.427C26
 ; CURRENT FILING DATE: 2001-06-29
 ; NUMBER OF SEQ ID NOS: 990
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 690
 ; LENGTH: 3923
 ; TYPE: DNA
 ; ORGANISM: Homo sapien
 US-09-895-814-690
 Query Match 80.0%; Score 1629; DB 9; Length 3923;
 Best Local Similarity 99.6%; Pred. No. 0;
 Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCGAG 60
 Db 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCGAG 82
 QY 61 GAAGATCTGCATGTTGGGAAGGACCTGATGATACAGAGGAATTAACAACATATACTTAG 120
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 QY 121 TGTTCATATGACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
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 Db 203 GACACAGGCTCGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
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 Db 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGTGATCTTTTACCATCTGA 322
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; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-690

Query Match      80.0%; Score 1629; DB 13; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 ACAAGCTGTCATCAGAAAACAGAGGGAGATTGTGTGGCTGCGAGCCGAGGGAGACACAG 60
DB 23 AGAAGCTGTCATCAGAAAACAGAGGGAGATTGTGTGGCTGCGAGCCGAGGGAGACACAG 82
QY 61 GAAGATCTGTCATGCTGGGAGGAGACCTGTATGATACAGAGGAATTACAACATATATCTTAG 120
DB 83 GAAGATCTGTCATGCTGGGAGGAGACCTGTATGATACAGAGGAATTACAACATATATCTTAG 142
QY 121 TGTTCATATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 180
DB 143 TGTTCATATGAACACCAAGATAAATAAGTGAAGAGCTAGTCCGCTGTGAGTCTCTCAGT 202
QY 181 GACACAGGCTGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
DB 203 GACACAGGCTGATCACCATCGAGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
QY 241 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA 300
DB 263 CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA 322
QY 301 GGCCACACATCTGCTGAATGAGATAAATAATACATCACTAGAAACAGCAAGATGACAATA 360
DB 323 GGCCACACATCTGCTGAATGAGATAAATAATACATCACTAGAAACAGCAAGATGACAATA 382
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QY 421 CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCTCTTTGGG 480
DB 443 CAGGAAGCACAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCGGCCGCTCTTTGGG 502
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DB 503 TCATCATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
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DB 803 CTGCTGCTTAAACTGTGCTGCTTCAATACCAAAATCAATTTCTATATTTCTAAACCAA 862
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983 AATAACATTACTCATTTTGTTCAAAAGACCTTCGTGTGCTGCTGCTTAATATGTAGTGTACT 1042
1021 GTTTTTCCTTAAGGAGTGTCTGGCCAGGAGATCTGTGAACAGGCTGGGAGCATCTCAA 1080
1043 GTTTTTCCTTAAGGAGTGTCTGGCCAGGAGATCTGTGAACAGGCTGGGAGCATCTCAA 1102
1081 GATCTTTCCAGGGTTATATCTTACTTAGCACACAGCATGATCAATACGAGTGAATTTATCTA 1140
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1141 ATCAACATCATCTCAGTGTCTTTGCCCATATCTGAAATTCATTTCCCACTTTTGTGCCCA 1200
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1223 TTCTCAAGACCTCAAAATGTCTATTCATTAATATCACAGGATTAATTTTTTTTAAACC 1282
1261 TGGAAAGAAATTCAAATGTTTACATGTCAGCTATGGGAATTTAAATTAATTTTGTTCAGT 1320
1283 TGGAAAGAAATTCAAATGTTTACATGTCAGCTATGGGAATTTAAATTAATTTTGTTCAGT 1342
1321 GAAAGATGACTAAGTCTCTTTATCCCTCCCTTTGTTGTTGATTTTTTTTCCAGTATAAAGT 1380
1343 GAAAGATGACTAAGTCTCTTTATCCCTCCCTTTGTTGTTGATTTTTTTTCCAGTATAAAGT 1402
1381 TAAATGCTTTAGCTTGTACTGTAGGCTGTATACACAGCAGCTCTCCCATCCCTCCAGC 1440
1403 TAAATGCTTTAGCTTGTACTGTAGGCTGTATACACAGCAGCTCTCCCATCCCTCCAGC 1462
1441 CTATCTGTCTATCAACATCAACCCCTCCCATNYSACCTTAAACAAATCTAACTGTAAAT 1500
1463 CTATCTGTCTATCAACATCAACCCCTCCCATNYSACCTTAAACAAATCTAACTGTAAAT 1522
1501 CTTGAAACATGTCAGGNCATATATTTCTCTGCTGCTGAGAGCTCTCTCTGCTCTCTT 1560
1523 CTTGAAACATGTCAGGNCATATATTTCTCTGCTGCTGAGAGCTCTCTCTGCTCTCTT 1582
1561 AANTCTGAGATGATTAAGTTTTCGAATAAGTTGACTATCTTACTTCTATGCAAGAGAGG 1620
1583 AANTCTGAGATGATTAAGTTTTCGAATAAGTTGACTATCTTACTTCTATGCAAGAGAGG 1642
1621 ACACATATGAGATTTCTATCATCATGAGACAGCAAAATCTATAAAGTGAATTTGATATA 1680
1643 ACACATATGAGATTTCTATCATCATGAGACAGCAAAATCTATAAAGTGAATTTGATATA 1702
1681 AGAGTTTATGATTAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCACTT 1740
1703 AGAGTTTATGATTAATATATGAAATGCAAGKCCACAGAGGGAATGTTTATGGGCACTT 1762
1741 TGTAGCTGAGGATGCTGAGGAAAGGAGGAACTCATAGTATCTTATATAATATCTT 1800
1763 TGTAGCTGAGGATGCTGAGGAAAGGAGGAACTCATAGTATCTTATATAATATCTT 1822
1801 CATTTCTCTATCTCTATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCATAA 1860
1823 CATTTCTCTATCTCTATCAATATCCAAAGCTTTTACAGAAATTCATGAGTGCATAA 1882
1861 TCCCAAGAGGTAACCTTTTATCCATTTTATGAGTGGCTTTAGAAATTTTGGCAATCA 1920
1883 TCCCAAGAGGTAACCTTTTATCCATTTTATGAGTGGCTTTAGAAATTTTGGCAATCA 1942
1921 TACTGCTGCTTATCTCTCAACTTTTGTAGTGTGCTTGTCTTGTAGTAAATGAGAAATA 1980
1943 TACTGCTGCTTATCTCTCAACTTTTGTAGTGTGCTTGTCTTGTAGTAAATGAGAAATA 2002
1981 GGGCACTCTTGTGAGCCACTTTTAGGGTTTCACTCTCTGGCAATAAAGAAATTTTCAAGA 2037

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Db      2003  GGGCACTCTGTGAGCCATTTAGGGTTTCACTCTCGCAATAAGAAATTTACAAAGA 2059
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RESULT 7
US-10-205-823-316
; Sequence 316, Application US/10205823
; Publication No. US20030108963A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
; APPLICANT: Endege, Wilson O.
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Gorbacheva, Bella
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Womsey, Angela M.
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Anderson, Dustin
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF PROSTATE CANCER
; FILE REFERENCE: MRI-044
; CURRENT APPLICATION NUMBER: US/10/205,823
; CURRENT FILING DATE: 2002-07-25
; PRIOR APPLICATION NUMBER: 60/307,982
; PRIOR FILING DATE: 2001-07-25
; PRIOR APPLICATION NUMBER: 60/314,356
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/325,020
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: 60/341,746
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: 60/362,158
; PRIOR FILING DATE: 2002-03-05
; NUMBER OF SEQ ID NOS: 455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 316
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-205-823-316

Query Match      80.0%; Score 1629; DB 15; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy      1  AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGGCTGCGAGCCGAGGGAGACCAG 60
Db      23  AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGGCTGCGAGCCGAGGGAGACCAG 82
Qy      61  GAAGATCTCATGGTGGGAGGACCTGTAGTACAGAGGAATTAACAACATATCTTAG 120
Db      83  GAAGATCTCATGGTGGGAGGACCTGTAGTACAGAGGAATTAACAACATATCTTAG 142
Qy     121  TGTTCATTAAGAACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 180
Db     143  TGTTCATTAAGAACCAAGATAAATGAAGTGAAGAGCTAGTCCGCTGTGAGTCTCCTCAGT 202
Qy     181  GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 240
Db     203  GACACAGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTGCAGCAAGAAAGA 262
Qy     241  CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 300
Db     263  CTACAGACATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGA 322
Qy     301  GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 360
Db     323  GGCCACACATCTGCTGAATGGAGATAATTAACATCACTAGAAAAACAGCAAGATGACAATA 382
Qy     361  TAATGTCTAAGTAGTGACATGTTTTTGGCAATTTCCAGCCCTTTTAAATATCCACACA 420
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Db      383  TAATGTCTAAGTAGTGACATGTTTTTGGCAATTTCCAGCCCTTTTAAATATCCACACA 442
Qy     421  CAGGAAGCAAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 480
Db     443  CAGGAAGCAAAAAAGGAAGCACAGAGATCCCTGGGAGAAATGCCCGCGCCCATCTTTGGG 502
Qy     481  TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 540
Db     503  TCATCGATGAGCCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 562
Qy     541  AATTGATGTGTTCTTAAAGGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 600
Db     563  AATTGATGTGTTCTTAAAGGATGGCAGGAAAACAGATCCTGTTGTGATATTTATTTG 622
Qy     601  AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA 660
Db     623  AACGGGATTACAGATTTGAAATGAAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACA 682
Qy     661  GACGAGAAAATCTTGATGGCTTCAAGAATGCAAAACAAATGGAATGGAATGCTGTGATG 720
Db     683  GACGAGAAAATCTTGATGGCTTCAAGAATGCAAAACAAATGGAATGGAATGCTGTGATG 742
Qy     721  ACATGAGGAGCAAGCTGGGGAGAGATAACACGGGGCAGAGGGTCAAGGATTTCTGGCC 780
Db     743  ACATGAGGAGCAAGCTGGGGAGAGATAACACGGGGCAGAGGGTCAAGGATTTCTGGCC 802
Qy     781  CTGCTGCTTAAACTGTGCGTTTCAAAACAAATCATTTTCAATATTTCTAAACCTCAAAACA 840
Db     803  CTGCTGCTTAAACTGTGCGTTTCAAAACAAATCATTTTCAATATTTCTAAACCTCAAAACA 862
Qy     841  AGCTGTGTGATATCTGATCTCTACGGTTCTTCTGGGGCCCAACATTTCTCCATATATCA 900
Db     863  AGCTGTGTGATATCTGATCTCTACGGTTCTTCTGGGGCCCAACATTTCTCCATATATCA 922
Qy     901  GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 960
Db     923  GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACCTTTCTACACTGTAG 982
Qy     961  AATAACATTTACTCATTTTGTTCAAAGACCTTTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020
Db     983  AATAACATTTACTCATTTTGTTCAAAGACCTTTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1042
Qy    1021  GTTTTCTTAAGAGTGTCTGGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db    1043  GTTTTCTTAAGAGTGTCTGGCCGAGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
Qy    1081  GATCTTTCCAGGGTTATCTTACTACTAGCACAGCATGATCATTCGGAGTGAATATCTTA 1140
Db    1103  GATCTTTCCAGGGTTATCTTACTACTAGCACAGCATGATCATTCGGAGTGAATATCTTA 1162
Qy    1141  ATCAACATCATCTCAGTGTCTTTGCCATCTGAAATTTCTTCCACTTTTGTGCCCCA 1200
Db    1163  ATCAACATCATCTCAGTGTCTTTGCCATCTGAAATTTCTTCCACTTTTGTGCCCCA 1222
Qy    1201  TTCTCAAGACCTTCAAAATGTCTATTCATTAATATCAAGGATTAATTTTTTTTAAACC 1260
Db    1223  TTCTCAAGACCTTCAAAATGTCTATTCATTAATATCAAGGATTAATTTTTTTTAAACC 1282
Qy    1261  TGAAGAATTTCAATGTTATCATGACGCTATGGAATTTAATACATATTTTGTTCAGT 1320
Db    1283  TGAAGAATTTCAATGTTATCATGACGCTATGGAATTTAATACATATTTTGTTCAGT 1342
Qy    1321  GCAAGAGATGACTTAAGTCTCTTTTATCCCTTTTGTGATTTTTTTTCCAGTATAAAGT 1380
Db    1343  GCAAGAGATGACTTAAGTCTCTTTTATCCCTTTTGTGATTTTTTTTCCAGTATAAAGT 1402
Qy    1381  TAAATGCTTACCTTTGACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1440
Db    1403  TAAATGCTTACCTTTGACTGAGGCTGTATACAGACAGCCTCTCCCATCCCTCCAGC 1462
Qy    1441  CTTATCTGTATCACTCAACACCCCTCCCATNYSCCTTAAACAAATCTTAACCTGTAAAT 1500
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Db 683 GACGAGAAATCTTGATGCTTCAACAGACATGCAACAAATGGAATACTGTGATG 742
QY 721 ACATGAGGAGCAAGCTGGGAGAGATAACACAGGGGAGAGGTGAGGATCTGGCC 780
Db 743 ACATGAGGAGCAAGCTGGGAGAGATAACACAGGGGAGAGGTGAGGATCTGGCC 802
QY 781 CTGCTGCTAAACTGTGCGTTCATAACCAAAATCATTTTCATATTTTAAACCTCAAAACA 840
Db 803 CTGCTGCTAAACTGTGCGTTCATAACCAAAATCATTTTCATATTTTAAACCTCAAAACA 862
QY 841 AGCTGTGTAAATCTGATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCA 900
Db 863 AGCTGTGTAAATCTGATCTCTACGGTTCCTTCTGGGCCCAACATCTCCATATATCCA 922
QY 901 GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACTTTCTACACTGTAG 960
Db 923 GCCACACTCAATTTTAAATATTTAGTTCCAGATCTGTACTGTGACTTTCTACACTGTAG 982
QY 961 AATAACATTTACTCATTTTCTCAAGACCTTCTGTTGCTGCTTAATATGTAGCTGACT 1020
Db 983 AATAACATTTACTCATTTTCTCAAGACCTTCTGTTGCTGCTTAATATGTAGCTGACT 1042
QY 1021 GTTTTTCTTAAGGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
Db 1043 GTTTTTCTTAAGGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
QY 1081 GATCTTTCAGGGTATATCTTACTAGACACAGCATGATCATTCGGAGTGAATATCTA 1140
Db 1103 GATCTTTCAGGGTATATCTTACTAGACACAGCATGATCATTCGGAGTGAATATCTA 1162
QY 1141 ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTTGGCCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTTCGCCATCTGAAATTCATTTCCCACTTTTGGCCCA 1222
QY 1201 TTCTCAAGACCTCAAAATGTCATTCATTAATATCACAGGATTAATTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCATTCATTAATATCACAGGATTAATTTTTTTTAAACC 1282
QY 1261 TGAAGAATTAATGTTACATGAGGTATGGAATTAATTAATTAATTTGTTTCCAGT 1320
Db 1283 TGAAGAATTAATGTTACATGAGGTATGGAATTAATTAATTAATTTGTTTCCAGT 1342
QY 1321 GCAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTTTCCAGTATAAGT 1380
Db 1343 GCAAGATGACTAAGTCCCTTTATCCCTCCCTTTGTTGATTTTTTTCCAGTATAAGT 1402
QY 1381 TAAATGCTTTAGCTTTGACTGAGGTGTATACAGCACAGCCTCTCCCATCCCTCCAGC 1440
Db 1403 TAAATGCTTTAGCTTTGACTGAGGTGTATACAGCACAGCCTCTCCCATCCCTCCAGC 1462
QY 1441 CTTATCTGTATCATCATCAACCCCTCCCATNYSCCTTAAACAAATCTAACTGTGAAT 1500
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Db 1523 CCTTGAACATGTCAGNATACATTTCTTCTGCTGAGAGTCTTCTTCTGCTCTTT 1582
QY 1561 AANTCTAGAAATGATGTAAGTGTGAATTAAGTGTGACTATCTTACTTCAAGAAAGGG 1620
Db 1583 AANTCTAGAAATGATGTAAGTGTGAATTAAGTGTGACTATCTTACTTCAAGAAAGGG 1642
QY 1621 ACACATATGAGATTCATCATCATGAGACAGCAATTAATAAGTGAATTTGATTATA 1680
Db 1643 ACACATATGAGATTCATCATCATGAGACAGCAATTAATAAGTGAATTTGATTATA 1702
QY 1681 AGAGTTTACATAAATATGAAATGCAACACACAGAGGGAATGTTTATGGGCACGTT 1740
Db 1703 AGAGTTTACATAAATATGAAATGCAACACACAGAGGGAATGTTTATGGGCACGTT 1762
QY 1741 TGTAAAGCTGGGATGTGAAGMAAGGACGGGAACCTCATAGTATCTTATATATATACTT 1800

Db 1763 TGTAAAGCTGGGATGTGAAGCAAGGACGAGGAACTCATAGTATCTTATATATATACTT 1822
QY 1801 CATTTCTTATCTCTATCATCATATATCCAAAGCTTTTTCACAGAAATTCATGCGTCAAA 1860
Db 1823 CATTTCTTATCTCTATCATCATATATCCAAAGCTTTTTCACAGAAATTCATGCGTCAAA 1882
QY 1861 TCCCAAAAGGTAACTTTTATCCATTTTCAATGTTGAGTGGCTTTAGAAATTTTGGCAATCA 1920
Db 1883 TCCCAAAAGGTAACTTTTATCCATTTTCAATGTTGAGTGGCTTTAGAAATTTTGGCAATCA 1942
QY 1921 TACTGGTCACTTATCTCAACTTTTGAATGTGTTGCTCTTGTAGTAAATTTGAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTTGAATGTGTTGCTCTTGTAGTAAATTTGAAGAAATA 2002
QY 1981 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTTCAAGA 2037
Db 2003 GGGCACTCTTGTGAGCCACTTTAGGGTTCACTCTCTGGCAATTAAGAAATTTTCAAGA 2059

RESULT 10
US-09-759-143-470/c
; Sequence 470, Application US/09759143
; Patent No. US200202248A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-470

Query Match 56.7%; Score 1154; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
Db 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 323 AGATAATTAACATCACTAGAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATGT 382
Db 1709 AGATAATTAACATCACTAGAACAGCAAGATGACAAATATATGCTTAAGTAGTGACATGT 1650
QY 383 TTTTGCACATTTCCAGCCCCCTTTTAAATATCCACACACAGGAAGCAGCAAAAAGGAAGCAC 442
Db 1649 TTTTGCACATTTCCAGCCCCCTTTTAAATATCCACACACAGGAAGCAGCAAAAAGGAAGCAC 1590
QY 443 AGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTTCATGATGAGCCTCGCCCTGT 502
Db 1589 AGAGATCCCTGGGAGAAATGCCCGCCGCATCTTTGGGTTCATGATGAGCCTCGCCCTGT 1530

QY 503 GCCTGCTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATGATGTCTTAAAGGA 562
 DB |||||
 1529 GCCTGCTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATGATGTCTTAAAGGA 1470
 QY 563 TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 622
 DB |||||
 1469 TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 1410
 QY 623 GAAATCACAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT 682
 DB |||||
 1409 GAAATCACAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT 1350
 QY 683 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742
 DB |||||
 1349 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290
 QY 743 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGATGGCTTC 802
 DB |||||
 1289 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGATGGCTTC 1230
 QY 803 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTGTGATATCTGATCTC 862
 DB |||||
 1229 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTGTGATATCTGATCTC 1170
 QY 863 TAGGTTCTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTAAATATTT 922
 DB |||||
 1169 TAGGTTCTCTTCTGGGCCCAACATCTCCATATATCCAGCCACACTCATTTTAAATATTT 1110
 QY 923 AGTTCCAGATCTGATCTGACCTTTCTACACTGTAGAAATACATTAATCTGATCTTC 982
 DB |||||
 1109 AGTTCCAGATCTGATCTGACCTTTCTACACTGTAGAAATACATTAATCTGATCTTC 1050
 QY 983 AAAGACCTTCTGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 1042
 DB |||||
 1049 AAAGACCTTCTGTGTGCTGCTTAATATGATGATGATGATGATGATGATGATGATGATG 990
 QY 1043 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102
 DB |||||
 989 GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930
 QY 1103 CTAGCACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 1162
 DB |||||
 929 CTAGCACACAGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 870
 QY 1163 TTGCCCATCTGAAATTCATTTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 1222
 DB |||||
 869 TTGCCCATCTGAAATTCATTTTCCCACTTTTGTGCCCATCTCAAGACCTCAAAATGTCA 810
 QY 1223 TTCCATTATATACAGGATTAACCTTTTAACTTGAAGGAAATTCATGTTTACATG 1282
 DB |||||
 809 TTCCATTATATACAGGATTAACCTTTTAACTTGAAGGAAATTCATGTTTACATG 750
 QY 1283 CAGCTATGGAATTTAATTAATATATTTGTTTCCAGTCAAAAGATGATGATGATGATGATG 1342
 DB |||||
 749 CAGCTATGGAATTTAATTAATATATTTGTTTCCAGTCAAAAGATGATGATGATGATGATG 690
 QY 1343 TCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTTAAATGCTTACGCTTGTACTG 1402
 DB |||||
 689 TCCCTCCCTTTGTTGATTTTTCAGTATATAAGTTTAAATGCTTACGCTTGTACTG 630
 QY 1403 AGGCTGTATACAGC 1416
 DB |||||
 629 AGGCTGTATACAGC 616

RESULT 11

US-09-780-669-470/c
 ; Sequence 470, Application US/09780669
 ; Patent No. US20020051977A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.

; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqi
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedvick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepler, William
 ; APPLICANT: Hural, John
 ; APPLICANT: McNeill, Patricia D.
 ; APPLICANT: Houghton, Raymond L.
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; FILE REFERENCE: 210121.427C24
 ; CURRENT APPLICATION NUMBER: US/09/780,669
 ; CURRENT FILING DATE: 2001-02-09
 ; NUMBER OF SEQ ID NOS: 943
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 470
 ; LENGTH: 2426
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-780-669-470
 Query Match 56.7%; Score 1154; DB 9; Length 2426;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 263 GGTGAGAAATAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
 DB |||||
 1769 GGTGAGAAATAGAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAATGG 1710
 QY 323 AGATAATTAACATCACTAGAAAACAGACATCAATAATAATGCTTAAGTAGTAGCATGT 382
 DB |||||
 1709 AGATAATTAACATCACTAGAAAACAGACATCAATAATAATGCTTAAGTAGTAGCATGT 1650
 QY 383 TTTTCCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAGCAC 442
 DB |||||
 1649 TTTTCCACATTTCCAGCCCTTTAAATATCCACACACAGGAAGCAGAAAAGGAGCAC 1590
 QY 443 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTTGGGTCATCGATGAGCCTCGCCCTGT 502
 DB |||||
 1589 AGAGATCCCTGGGAGAAATGCCGCCGCCCATCTTTGGGTCATCGATGAGCCTCGCCCTGT 1530
 QY 503 GCCTGCTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATGATGTCTTAAAGGA 562
 DB |||||
 1529 GCCTGCTCCGCTGTGAGGGAAGGACATTAGAAAAATGAATGATGTCTTAAAGGA 1470
 QY 563 TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 622
 DB |||||
 1469 TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTGGAAT 1410
 QY 623 GAAATCACAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT 682
 DB |||||
 1409 GAAATCACAAGTGAGCATTACCAATGAGAGGAAACACAGACGAGAAATCTTGATGGCTT 1350
 QY 683 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 742
 DB |||||
 1349 CACAAGACATGCAACAAAAAATAATGGAATCTGTGATGACATGAGGAGCCCAAGCTGGGG 1290
 QY 743 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGATGGCTTC 802
 DB |||||
 1289 AGGAGATACCAAGGGGAGAGGTCAGGATCTGCGCCCTGCTGCTAACTGATGGCTTC 1230
 QY 803 ATAACCAATCATTTTCAATTTCTAACCTCAAAACAAAAGCTGTGTGATATCTGATCTC 862
 DB |||||

[illegible]


```

; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C26
; CURRENT APPLICATION NUMBER: US/09/895,814
; NUMBER OF SEQ ID NOS: 990
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-895-814-470

Query Match          56.7%; Score 1154; DB 9; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
DB 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710
QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACAATATAATGTCTAAAGTAGTGACATGT 382
DB 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACAATATAATGTCTAAAGTAGTGACATGT 1650
QY 393 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGCAAGCAAAAAGGAGCAC 442
DB 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGCAAGCAAAAAGGAGCAC 1590
QY 443 AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTCATCGATGAGCCCTCGCCCTGT 502
DB 1589 AGAGATCCCTGGGAGAAATGCCCGCGCCATCTTTGGGTCATCGATGAGCCCTCGCCCTGT 1530
QY 503 GCCTGGTCCCGTTGTGAGGGAAGGACATTAGAAAATGAATGATGTGCTTTAAAGGA 562
DB 1529 GCCTGGTCCCGTTGTGAGGGAAGGACATTAGAAAATGAATGATGTGCTTTAAAGGA 1470
QY 563 TGGGAGGAAACACATCTGTGTGGATATTTTTCGACGGGATACAGATTTGAAT 622
DB 1469 TGGGAGGAAACACATCTGTGTGGATATTTTTCGACGGGATACAGATTTGAAT 1410
QY 623 GAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCTT 682
DB 1409 GAAAGTCACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCTT 1350
QY 683 CACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGCAAGCTGGGG 742
DB 1349 CACAAGACATGCAACAAACAAATGGAATATCTGTGATGACATGAGCGCAAGCTGGGG 1290
QY 743 AGGAGATACCAAGGGGAGGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTGCGGTC 802
DB 1289 AGGAGATACCAAGGGGAGGAGGTCAGGATCTGCGCCCTGCTGCTAACTGTGCGGTC 1230
QY 803 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGTAATCTCATCTC 862
DB 1229 ATAAACCAATCATTTTCATATTTCTAACCTCAAAACAAAGCTGTGTGTAATCTCATCTC 1170
QY 863 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATTT 922
DB 1169 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGCCACACTCAATTTTAAATTT 1110
QY 923 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTTGTTC 982
DB 1109 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAACATTAATCTATTTTGTTC 1050
QY 983 AAAGACCCCTTCGTGTGCTGCTTAATATATGTAGCTGACTGTTTTTCTCCTAAGGAGTGTCTG 1042

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RESULT 15
US-10-012-896-470/c
; Sequence 470, Application US/10012896
; Publication No. US20020183251A1
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqiu
; APPLICANT: Kalos, Michael D.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William T.
; APPLICANT: Henderson, Robert A.
; APPLICANT: Hural, John
; APPLICANT: McNeill, Patricia D.
; APPLICANT: Houghton, Raymond L.
; APPLICANT: Vinals de Bassols, Carlota
; APPLICANT: Foy, Teresa
; APPLICANT: Fanger, Gary R.
; APPLICANT: Watanabe, Yoshihiro
; APPLICANT: Meagher, Madeleine Joy
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C27
; CURRENT APPLICATION NUMBER: US/10/012,896
; CURRENT FILING DATE: 2001-12-10
; NUMBER OF SEQ ID NOS: 1011
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-012-896-470

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DB 1049 AAAGACCCCTTCGTGTGCTGCTTAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTG 990
QY 1043 GCCCAGGGGATCTGFGAAACAGGCTGGGAGCAATCTCAAGATCTTTCCAGGGTTACTTTA 1102
DB 989 GCCCAGGGGATCTGFGAAACAGGCTGGGAGCAATCTCAAGATCTTTCCAGGGTTACTTTA 930
QY 1103 CTAGCACACAGCATGATCATTTACGAGTGAATTAATCTAATCAACATCATCTCAGTGCT 1162
DB 929 CTAGCACACAGCATGATCATTTACGAGTGAATTAATCTAATCAACATCATCTCAGTGCT 870
QY 1163 TTGCCCATACTCAAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 1222
DB 869 TTGCCCATACTCAAAATTCATTTCCACATTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA 810
QY 1223 TTCCATTAATATCACAGATTAACCTTTTTTTTAACTGGAAGAAATTCATGTTTACATG 1282
DB 809 TTCCATTAATATCACAGATTAACCTTTTTTTTAACTGGAAGAAATTCATGTTTACATG 750
QY 1283 CAGCTATCGGAATTTAAATTAACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTTA 1342
DB 749 CAGCTATCGGAATTTAAATTAACATATTTTGTTCAGTGCAAGATGACTAAGTCTCTTTA 690
QY 1343 TCCCTCCCTCTTGTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGACTG 1402
DB 689 TCCCTCCCTCTTGTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGACTG 630
QY 1403 AGGCTGTATACAGC 1416
DB 629 AGGCTGTATACAGC 616

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Query Match	56.7%	Score 1154	DB 13	Length 2426
Best Local Similarity	100.0%	Prod. No. 0		
Matches 1154	Conservative	0	Mismatches 0	Indels 0
Gaps 0				
QY	263	GGTGGAAATAAAGAAAGCGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322	
DB	1769	GGTGAGAAATAAAGAAAGCGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710	
QY	323	AGATAAATTAACATCACTAGAAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATGT	382	
DB	1709	AGATAAATTAACATCACTAGAAAACAGCAAGATGACAAATATATGTTCTAAGTAGTGACATGT	1650	
QY	383	TTTTGCAATTTCCAGGCCCCTTTAAATATCCACACACAGGAAGCAAAAAAGGAAGCAC	442	
DB	1649	TTTTGCAATTTCCAGGCCCCTTTAAATATCCACACACAGGAAGCAAAAAAGGAAGCAC	1590	
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QY	1103	CTAGCACACAGCATGATCATTTACGGAGTGAAATATCTAAATCAACATCATCTCAGTGTC	1162	
DB	929	CTAGCACACAGCATGATCATTTACGGAGTGAAATATCTAAATCAACATCATCTCAGTGTC	870	
QY	1163	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA	1222	
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; APPLICANT: Skeiky, Yasir A.W.		803		CTGCTGCCCTAAACTGTGGTTCATTAACCAATCATTTTCATATTTCTAACCCCTCAAAACAA	862
; APPLICANT: Hepler, William		QY			
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; SOFTWARE: FastSeq for Windows Version 3.0		923		GCACACACTCATTTTAAATATTTAGTTCACAGATCTGTACTGTGACCTTTCTACACTGTAG	982
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; US-09-685-166A-690		QY			
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US-09-679-426-690
; Sequence 690, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedwick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-679-426-690

Query Match 80.0%; Score 1629; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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RESULT 4

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US-09-759-143-690
; Sequence 690, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien

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US-09-759-143-690
Query Match      80.0%; Score 1629; DB 4; Length 3923;
Best Local Similarity 99.6%; Pred. No. 0;
Matches 2029; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

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DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGGAGATTTGTGTGGCTGCGAGCCGAGGGAGACCAG 82
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1021 GTTTTTCCTAAGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1080
1043 GTTTTTCCTAAGAGTGTCTGGCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAA 1102
1081 GATCTTTCCAGGTTATCTTACTAGCACAGCATGATCATACGAGTGAATATCTA 1140
1103 GATCTTTCCAGGTTATCTTACTAGCACAGCATGATCATACGAGTGAATATCTA 1162
1141 ATCAACATCATCTCAGTCTCTTGGCCATACCTGAATTCATTCGCCACTTTTGGCCA 1200
1163 ATCAACATCATCTCAGTCTCTTGGCCATACCTGAATTCATTCGCCACTTTTGGCCA 1222
1201 TTCTCAAGACCTCAAAATGCTCATTAATATACAGGATTAATCTTTTTTTTAAAC 1260
1223 TTCTCAAGACCTCAAAATGCTCATTAATATACAGGATTAATCTTTTTTTTAAAC 1282
1261 TGAAGAATTCATGTTACATCAGCTATGGAATTAATACATATTTGTTTCCAGT 1320
1283 TGAAGAATTCATGTTACATCAGCTATGGAATTAATACATATTTGTTTCCAGT 1342
1321 GCAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAGT 1380
1343 GCAAGATGACTAAGTCTCTTATCCCTCCCTTTGTTGATTTTTTTTCCAGTATAGT 1402
1381 TAAATGCTTAGCTGTAGTCTGAGGCTGTATACAGCACAGCTCTCCCATCCCTCCAGC 1440
1403 TAAATGCTTAGCTGTAGTCTGAGGCTGTATACAGCACAGCTCTCCCATCCCTCCAGC 1462
1441 CTTATCTGTATCACCATCAACCCCTCCCATNYSACCTAAACAAAATCTAACTTGAAT 1500
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1523 CTTGAAATGTCAGGNCATACATTTCTCTGCTGAGAGCTCTCTCTCTCTCTCT 1582
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1741 TGTAAAGCTGGGATGTGAAGMAAGCGAGGAACCTCATAGTATCTTATATATATATCTT 1800
1763 TGTAAAGCTGGGATGTGAAGMAAGCGAGGAACCTCATAGTATCTTATATATATATCTT 1822
1801 CATTTCTCTATCTCATCAATATCCAAAGCTTTTACAGAAATTCATGCAAGTCAAA 1860
1823 CATTTCTCTATCTCATCAATATCCAAAGCTTTTACAGAAATTCATGCAAGTCAAA 1882
1861 TCCCAAGAGTAACTTTATTCATTTATGTTGAGTGAGTGAGTCTTATAGAAATTTGGCAATCA 1920
1883 TCCCAAGAGTAACTTTATTCATTTATGTTGAGTGAGTGAGTCTTATAGAAATTTGGCAATCA 1942
1921 TACTGTCATCTTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTTAAATTTGAAGAAATA 1980
1943 TACTGTCATCTTATCTCAACTTTGAGATGTTGTTGCTTGTAGTTTAAATTTGAAGAAATA 2002
1981 GGGCACTCTTGTAGCCACTTTAGGTTTCACTCTCGCAATAAAGAAATTTACAAAGA 2037
2003 GGGCACTCTTGTAGCCACTTTAGGTTTCACTCTCGCAATAAAGAAATTTACAAAGA 2059

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RESULT 5

US-09-651-236-690

; Sequence 690, Application US/09651236

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; Patent No. 6818751
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42718C18
; CURRENT APPLICATION NUMBER: US/09/651,236
; NUMBER OF SEQ ID NOS: 865
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 690
; LENGTH: 3923
; TYPE: DNA
; ORGANISM: Homo sapien
US-09-651-236-690

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Query Match 80.0%; Score 1629; DB 4; Length 3923;

Best Local Similarity 99.6%; Pred. No. 0; Mismatches 0; Indels 0; Gaps 0;

Matches 2029; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 23 AGAAGCTGGCATCAGAAAAACAGAGGGAGATTTGTGGCTGCAGCCGAGGAGACCA 82
QY 61 GAAGATCTGCATGTTGGGAAGGACCTGATGATACAGAGGAATTACAACATATACTTAG 120
DB 83 GAAGATCTGCATGTTGGGAAGGACCTGATGATACAGAGGAATTACAACATATACTTAG 142
QY 121 TGTTCATGTAACCAAGATTAATAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCAGT 180
DB 143 TGTTCATGTAACCAAGATTAATAAGTGAAGAGCTAGTCGCTGTGAGTCTCTCAGT 202
QY 181 GACAGGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTCGAGCAAGAAAGA 240
DB 203 GACAGGGCTGGATCACCATCGACGGCACTTTCTGAGTACTCAGTCGAGCAAGAAAGA 262
QY 241 CTACAGATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA 300
DB 263 CTACAGATCTCAATGGCAGGGGTGAGAAATAAGAAAGGCTGCTGACTTTACCATCTGA 322
QY 301 GGCCACATCTGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 360
DB 323 GGCCACATCTGCTGAATGGAGATAATTAACATCACTAGAAACAGCAAGATGACAATA 382
QY 361 TAATGCTAAGTAGTGAATGTTTGTGACATTTTCCAGCCCTTTTAAATATATCCACACA 420
DB 383 TAATGCTAAGTAGTGAATGTTTGTGACATTTTCCAGCCCTTTTAAATATATCCACACA 442
QY 421 CAGGAAGCACAAAAGGAAGCAAGAGATCCTGGGAGAAATGCCCGCGCCCATCTTGGG 480
DB 443 CAGGAAGCACAAAAGGAAGCAAGAGATCCTGGGAGAAATGCCCGCGCCCATCTTGGG 502
QY 481 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 540
DB 503 TCATCGATGAGCTCGCCCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 562
QY 541 AATTGATGTTCTTTAAAGGATGGGAGGAAACAGATCCTGTTGTGGATATTTATTTG 600

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Db 623 AACGGGATTTACAGATTTTGAATTTGAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAACA 682
Qy 661 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 720
Db 683 GACGAGAAATCTTGATGGCTTCAAGACATGCAACAAACAAATGGAATCTGTGATG 742
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Db 743 ACATGAGGAGCAAGCTGGGAGAGAGATAACACGGGGCAGAGGTCAGGATTCCTGGCC 802
Qy 781 CTGCTGCCCTAAACTGTGGCTTCAATACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACA 840
Db 803 CTGCTGCCCTAAACTGTGGCTTCAATACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACA 862
Qy 841 AGCTGTTGTAATCTGATCTCTAGCTTCCTGTCGGGCCCAACATTTCTCATATATCA 900
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Qy 1081 GATCTTTCCAGGGTTACTTACTAGCACAGCATGATCATTTAGCGAGTGAATATCTA 1140
Db 1103 GATCTTTCCAGGGTTACTTACTAGCACAGCATGATCATTTAGCGAGTGAATATCTA 1162
Qy 1141 ATCAACATCATCTCAGTGTCTTTGCCATCTGAAATTCATTTCCACCTTTTGTGGCCCA 1200
Db 1163 ATCAACATCATCTCAGTGTCTTTGCCATCTGAAATTCATTTCCACCTTTTGTGGCCCA 1222
Qy 1201 TTCTCAAGACCTCAAAATGTCAATCAATATACAGGATTAATCTTTTTTTTAAACC 1260
Db 1223 TTCTCAAGACCTCAAAATGTCAATCAATATACAGGATTAATCTTTTTTTTAAACC 1282
Qy 1261 TGGAGAAATTCATGTTACATGACGATGAGGAAATTAATTAATATTTTGTTCAGT 1320
Db 1283 TGGAGAAATTCATGTTACATGACGATGAGGAAATTAATTAATATTTTGTTCAGT 1342
Qy 1321 GCAAGATGACTAAGTCTCTTATCTCTCCCTTTGTTGATTTTTCAGTATAAAGT 1380
Db 1343 GCAAGATGACTAAGTCTCTTATCTCTCCCTTTGTTGATTTTTCAGTATAAAGT 1402
Qy 1381 TAAATGCTTACCTTGTACTGAGGCTGATACAGACAGCCTCTCCCATCCCTCCAGC 1440
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Db 1463 CTTATCTGTATCACCATCAACCCCTCCCATYACCTTAAACAAATCTAACTTGAAT 1522
Qy 1501 CTTGAAATGTCAGNCAATACATTTCTCTCTGCTGAGAGCTCTTCTCTTCTCTT 1560
Db 1523 CTTGAAATGTCAGNCAATACATTTCTCTCTGCTGAGAGCTCTTCTCTTCTCTT 1582
Qy 1561 AANTCTAGAATGATGTAAGTTTGAATAGTGAATCTTCTTACTGCAAGAGAGG 1620
Db 1583 AANTCTAGAATGATGTAAGTTTGAATAGTGAATCTTCTTACTTCTGCAAGAGAGG 1642
Qy 1621 ACACATATGAGATTCATCATGATGAGACGAAATCTAAAGTGAATTTGATTATA 1680
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Db 1703 AGAGTTTATAGATAAATATATGAATCAAGAGGCCAAGAGGGGAATGTTTATGGGCGACGTT 1762
Qy 1741 TGTAAAGCTGGGATGTAAGNAAAGCGAGGGAACCTCATAGTATCTTATATATATATCTT 1800
Db 1763 TGTAAAGCTGGGATGTAAGNAAAGCGAGGGAACCTCATAGTATCTTATATATATATCTT 1822
Qy 1801 CATTTCTCTATCTCTCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1860
Db 1823 CATTTCTCTATCTCTCATCAATATCCAAAGCTTTTTCACAGAAATTCATGCAAGTCAAA 1882
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Db 1883 TCCCAAAGGTAACCTTTATCCATTTTCATGAGTGAGTGCTTGTAGTAAATTTGGCAAAATCA 1942
Qy 1921 TACTGGTCACTTATCTCAACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATA 1980
Db 1943 TACTGGTCACTTATCTCAACTTTGAGATGTTTGTCTTGTAGTAAATTTGAAGAAATA 2002
Qy 1981 GGGCACTCTTGTGAGCCACTTTTAGGTTTCACTCTCGGCAATAAAGAAATTTACAAGA 2037
Db 2003 GGGCACTCTTGTGAGCCACTTTTAGGTTTCACTCTCGGCAATAAAGAAATTTACAAGA 2059
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RESULT 6

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US-09-439-313-470/c
; Sequence 470, Application US/09439313
; Patent No. 6329505
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang Yuqi
; APPLICANT: Reed, Steven G.
; APPLICANT: Kalos, Michael
; APPLICANT: Fanger, Gary
; APPLICANT: Retter, Mark
; APPLICANT: Solk, John
; APPLICANT: Day, Craig
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THERAPY AND
; FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.427C9
; CURRENT APPLICATION NUMBER: US/09/439,313
; CURRENT FILING DATE: 1999-11-12
; NUMBER OF SEQ ID NOS: 575
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-439-313-470
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Query Match 56.7%; Score 1154; DB 3; Length 2426;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1769 GGTGAAATTAAGAAGGCTGCTGATCTTACCATCTGAGGCCACACATCTGCTGAATGG 1710
Qy 323 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGCTTAAGTAGTGACATCT 382
Db 1709 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATAATGCTTAAGTAGTGACATCT 1650
Qy 383 TTTTGCATTTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCAC 442
Db 1649 TTTTGCATTTTCCAGCCCTTTTAAATATCCACACACAGGAAGCACAAGGAAGCAC 1590
Qy 443 AGAGATCCCTGGGAAATGCGCGCGCATCTTTGGGTTCATCGATGAGCCTCGCCCTGT 502
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Db GCCTGGTCCGCTTGTGAGGGAAGACATTAGAAAATGAATGATGTTGTTCTTAAAGA 1470
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Db GAAATCACAAAGTACGATTTACCAATGAGAGAAAACAGACGAGAAAATCTTGTGGCTT 1350
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Db AAAGACCCCTTCTGGTGTGCTGCTTATATGATGATGATGATGATGATGATGATGATGAT 990
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QY AGGCTGTATACAGC 1416
Db AGGCTGTATACAGC 616

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RESULT 7
 US-09-352-616A-470/c
 ; Sequence 470, Application US/09352616A
 ; Patent No. 6395278
 ; GENERAL INFORMATION:

```

; APPLICANT: Dillon, Davin C.
; APPLICANT: Harlocker, Susan Louise
; APPLICANT: Jiang, Yuqi
; APPLICANT: Xu, Jiangchun
; APPLICANT: Mitcham, Jennifer Lynn
; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
; FILE REFERENCE: 210121.427C8
; CURRENT APPLICATION NUMBER: US/09/352,616A
; NUMBER OF SEQ ID NOS: 472
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-352-616A-470

Query Match      56.7%; Score 1154; DB 3; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGATTTTACCATCTGAGGCCACACATCTGCTGAAATGG 322
Db 1769 GGTGAGAAATAGAAAGGCTGCTGATTTTACCATCTGAGGCCACACATCTGCTGAAATGG 1710

QY 323 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTACATGT 382
Db 1709 AGATAATTAACATCACTAGAAACAGCAAGATGACAAATATATGTTCTAAGTAGTACATGT 1650

QY 383 TTTTGCACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCACAAGAGGAAGCAC 442
Db 1649 TTTTGCACATTTCCAGGCCCTTTTAAATATCCACACACACAGGAAGCACAAGAGGAAGCAC 1590

QY 443 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTCAFCATGATGAGCCTCGCCCTGT 502
Db 1589 AGAGATCCCTGGGAGAAATGCCCGCCCATCTTTGGGTCAFCATGATGAGCCTCGCCCTGT 1530

QY 503 GCCTGTCCCGCTTGTGAGGGAAGGACATTAGAAATGAATTTGATGTTCTTAAAGA 562
Db 1529 GCCTGTCCCGCTTGTGAGGGAAGGACATTAGAAATGAATTTGATGTTCTTAAAGA 1470

QY 563 TGGGAGAGAAACAGATCTGTTGGATATTTTGAACGGGATTAACAGATTTGAAAT 622
Db 1469 TGGGAGAGAAACAGATCTGTTGGATATTTTGAACGGGATTAACAGATTTGAAAT 1410

QY 623 GAAATCAAAAGTACGATTTACCAATGAGAGAAAACAGACGAGAAAATCTTTGATGGCTT 682
Db 1409 GAAATCAAAAGTACGATTTACCAATGAGAGAAAACAGACGAGAAAATCTTTGATGGCTT 1350

QY 683 CACAGACATCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAGCTGGGG 742
Db 1349 CACAGACATCAACAAACAAATGGAATATCTGTGATGACATGAGCGAGCCAGCTGGGG 1290

QY 743 AGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAACTGTGCTTC 802
Db 1289 AGGAGATAACACGGGGCAGAGGGTCAGGATTTCTGGCCCTGCTGCTAACTGTGCTTC 1230

QY 803 ATAAACCAATCATTTTCAATATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 862
Db 1229 ATAAACCAATCATTTTCAATATTTTAACTTTTAACTTTTAACTTTTAACTTTTAACTTT 1170

QY 863 TACGGTTCCTTCTGGGCGCAACATTTCTCAATATCTCAAGCTGTTGTAATATTTTAAATTT 922
Db 1169 TACGGTTCCTTCTGGGCGCAACATTTCTCAATATCTCAAGCTGTTGTAATATTTTAAATTT 1110

QY 923 AGTCCCAAGATCTGATGTCAGCTTCTACACTGTAGAAATCAATCACTCAATTTTGTTC 982
Db 1109 AGTCCCAAGATCTGATGTCAGCTTCTACACTGTAGAAATCAATCACTCAATTTTGTTC 1050

QY 983 AAAGACCCCTTGTGTTGATTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGTACTG 1042
Db 1049 AAAGACCCCTTGTGTTGATTTTTCAGTATAAAGTTTAAATGCTTTAGCCTTGTACTG 990

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Qy	1043	GCC	CAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTTCAGGGTTATACTT	1102
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Qy	1103	CTAG	CACACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGCT	1162
Db	929	CTAG	CACACAGCATGATCATTTACGGAGTGAATTAATCTAATCAACATCATCTCAGTGCT	870
Qy	1163	TTG	CCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222
Db	869	TTG	CCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	810
Qy	1223	TTCC	ATTAATATCACAGGATTAACCTTTTTTTTTTAACTCTGGAAGAAATTCATGTTACATG	1282
Db	809	TTCC	ATTAATATCACAGGATTAACCTTTTTTTTTTAACTCTGGAAGAAATTCATGTTACATG	750
Qy	1283	CAG	CTATGGGAATTAATACATATTTTGTTTTCCAGTGCAGAGATGACTAAGTCCTTTA	1342
Db	749	CAG	CTATGGGAATTAATACATATTTTGTTTTCCAGTGCAGAGATGACTAAGTCCTTTA	690
Qy	1343	TCC	CTCCCCCTTGTTCATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCTTGTA	1402
Db	689	TCC	CTCCCCCTTGTTCATTTTTTTTCCAGTATAAAGTTAAATGCTTAGCCTTGTA	630
Qy	1403	AGG	CTGTATACAGC	1416
Db	629	AGG	CTGTATACAGC	616

RESULT 8

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US-09-636-215-470/c
; Sequence 470, Application US/09636215
; Patent No. 6620922
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Steiky, Yasir A.W.
; APPLICANT: Hopley, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: 210121.42717C17
; CURRENT APPLICATION NUMBER: US/09/636,215
; CURRENT FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 852
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-636-215-470

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	Query Match	56.7%	Score 1154;	DB 4;	Length 2426;
	Best Local Similarity	100.0%;	Prod. No. 0;		
	Matches 1154;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	263	GGTGAGAAAAAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322		
Db	1769	GGTGAGAAAAAAGAAAGGCTGCTGACATTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710		

QY		323	AGATAATTAA	CATCACTAGAAA	CAGCAGATGACAA	TATTAATGTCT	TAAGTAGTGCAC	TGT	382
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QY		383	TTTTGGCAC	TTTCAGGCCCTT	TAAATATCCACA	CACAGGAAGACA	AAAAAGGAGCAC	442	
DB		1649	TTTTGGCAC	TTTCAGGCCCTT	TAAATATCCACA	CACAGGAAGACA	AAAAAGGAGCAC	1590	
QY		443	AGAGATCCC	TGGGAGAAAT	CCCCGGCGCCAT	CTTGSGTCA	TGAGAGCCTCGCCCTGT	502	
DB		1589	AGAGATCCC	TGGGAGAAAT	CCCCGGCGCCAT	CTTGSGTCA	TGAGAGCCTCGCCCTGT	1530	
QY		503	GCCTGTC	CCGCTTGTGAG	GGAAGGACAT	TAGAAAATGA	ATTGATGTGTCTCTTAAGGA	562	
DB		1529	GCCTGTC	CCGCTTGTGAG	GGAAGGACAT	TAGAAAATGA	ATTGATGTGTCTCTTAAGGA	1470	
QY		563	TGGSCAGA	AAAAACAGAT	CTGTGTGTGATAT	TATTTTGAACGG	ATATFACAGATTTGAAAT	622	
DB		1469	TGGSCAGA	AAAAACAGAT	CTGTGTGTGATAT	TATTTTGAACGG	ATATFACAGATTTGAAAT	1410	
QY		623	GAAGTC	CAAAGTGAGCAT	TACCAATGAGAG	GAAGAACAGACG	AAGAAATCTTGATGGCTTT	682	
DB		1409	GAAGTC	CAAAGTGAGCAT	TACCAATGAGAG	GAAGAACAGACG	AAGAAATCTTGATGGCTTT	1350	
QY		683	CACAAG	CATGCAACAA	CAAAATGGAAT	ACTGTGATGACAT	GAGGAGCAAGCTGGGG	742	
DB		1349	CACAAG	CATGCAACAA	CAAAATGGAAT	ACTGTGATGACAT	GAGGAGCAAGCTGGGG	1290	
QY		743	AGGAGTAA	CCACGGG	CAGAGGT	CAGGAATCTGGCC	TGCTGCTTAAACTGTGCGTTC	802	
DB		1289	AGGAGTAA	CCACGGG	CAGAGGT	CAGGAATCTGGCC	TGCTGCTTAAACTGTGCGTTC	1230	
QY		803	ATAACCAA	ATCATTTTCAT	TTCTTAACCC	TCAAAACAAAG	CTGTGTAAATCTCTGATCTC	862	
DB		1229	ATAACCAA	ATCATTTTCAT	TTCTTAACCC	TCAAAACAAAG	CTGTGTAAATCTCTGATCTC	1170	
QY		863	TACGGT	TCCTTGTGGG	CCAAACAT	CTCCATATATCCAG	CCACACTCTTTTAAATATTT	922	
DB		1169	TACGGT	TCCTTGTGGG	CCAAACAT	CTCCATATATCCAG	CCACACTCTTTTAAATATTT	1110	
QY		923	AGTTC	CAGATCTG	TACTGAGCTT	CTACACTGTAGAT	TAACATTTACTCATTTTGTTC	982	
DB		1109	AGTTC	CAGATCTG	TACTGAGCTT	CTACACTGTAGAT	TAACATTTACTCATTTTGTTC	1050	
QY		983	AAAGACC	TCCTTGTG	TGCTGCTTAAT	ATGAGCTGACTG	TTTTTCTTAAGGAGTGTCTG	1042	
DB		1049	AAAGACC	TCCTTGTG	TGCTGCTTAAT	ATGAGCTGACTG	TTTTTCTTAAGGAGTGTCTG	990	
QY		1043	GCC	CAGGGATCTGT	GAAACAGG	CTGGGAAGCATCTCAAG	ATCTTTTCAGGGTTATACTTTA	1102	
DB		989	GCC	CAGGGATCTGT	GAAACAGG	CTGGGAAGCATCTCAAG	ATCTTTTCAGGGTTATACTTTA	930	
QY		1103	CTAGC	ACAGCATGAT	CATTACGGAG	TGAATTTCTTAAT	CAACATCATCTCAGTGCT	1162	
DB		929	CTAGC	ACAGCATGAT	CATTACGGAG	TGAATTTCTTAAT	CAACATCATCTCAGTGCT	870	
QY		1163	TTGGCC	ATCTGAAATTCAT	TTTCCACTTTTGTG	CCCATCTCAAGACCT	TCTCAAGACCTCAAAATGTCA	1222	
DB		869	TTGGCC	ATCTGAAATTCAT	TTTCCACTTTTGTG	CCCATCTCAAGACCT	TCTCAAGACCTCAAAATGTCA	810	
QY		1223	TTCCAT	TAAATATCACAG	GATTAAC	TTTTTTTTTAACTGG	AAAGAAATTCATGTTACATG	1282	
DB		809	TTCCAT	TAAATATCACAG	GATTAAC	TTTTTTTTTAACTGG	AAAGAAATTCATGTTACATG	750	
QY		1283	CAGCT	ATGGGAATTAAT	TAATACATATTTTGT	TTTCCAGTGCAAG	ATGACATTAAGTCTCTTTA	1342	
DB		749	CAGCT	ATGGGAATTAAT	TAATACATATTTTGT	TTTCCAGTGCAAG	ATGACATTAAGTCTCTTTA	690	
QY		1343	TCCCT	CCCCCTTGT	TGATTTTTTTTCC	AGTATAAAGTTAA	AGTCTTAGCTTGTACTG	1402	
DB		689	TCCCT	CCCCCTTGT	TGATTTTTTTTCC	AGTATAAAGTTAA	AGTCTTAGCTTGTACTG	630	
QY		1403	AGGCT	GTATACAGC	1416				

Db	629	AGGCTGTATACAGC	616			1349	CACAGACATGCAACAAACAAAATGGAATACTGTGATGACATGAGCAGCAGCCAGCTGGGG	1290
Qy						743	AGGATATACACACGGGGCAGAGGGTCTAGGATTTCTGGCCCTGCTGCTAAACCTGGGTTTC	802
Db						1289	AGGATATACACACGGGGCAGAGGGTCTAGGATTTCTGGCCCTGCTGCTAAACCTGGGTTTC	1230
Qy						803	ATAACCAATCATTTTCTAATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTTC	862
Db						1229	ATAACCAATCATTTTCTAATTTCTAAACCTCAAAACAAAGCTGTTGTAATATCTGATCTTC	1170
Qy						863	TACGGTCTCTTCTGGGCGCAACATTTCTCAATATATCCAGCCACACATCTTTTAATATTT	922
Db						1169	TACGGTCTCTTCTGGGCGCAACATTTCTCAATATATCCAGCCACACATCTTTTAATATTT	1110
Qy						923	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAAATCAACATTAACATCTCTATTTGTTTC	982
Db						1109	AGTTCCCGAGATCTGACTGTGACCTTTCTACACTGTAGAAATCAACATTAACATCTCTATTTGTTTC	1050
Qy						983	AAAGACCCCTTCTGTTGCTGCTTAATATATGATGACTGTTTCTTCTAAGGAGTGTCTG	1042
Db						1049	AAAGACCCCTTCTGTTGCTGCTTAATATGATGACTGTTTCTTCTAAGGAGTGTCTG	990
Qy						1043	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	1102
Db						989	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	930
Qy						1103	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCACTCCCTCAGTGTCT	1162
Db						929	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCACTCCCTCAGTGTCT	870
Qy						1163	TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA	1222
Db						869	TTGCCCATACTGAAATTCATTTCCCACTTTTGTGCCCATTCTCAAGACCTCAAAATGTCA	810
Qy						1223	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTAATCAATGTTTACTG	1282
Db						809	TTCCATTAATATCACAGGATTAACCTTTTAACTGGAAGATTAATCAATGTTTACTG	750
Qy						1283	CAGCTATCGGAATTAATTTACATATTTTGTGTTTCCAGTGAAGATGACTAAGTCTCTTA	1342
Db						749	CAGCTATCGGAATTAATTTACATATTTTGTGTTTCCAGTGAAGATGACTAAGTCTCTTA	690
Qy						1343	TCCCTCCCTTCTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACTG	1402
Db						689	TCCCTCCCTTCTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCTTGTACTG	630
Qy						1403	AGGCTGTATACAGC	1416
Db						629	AGGCTGTATACAGC	616

RESULT 10
US-09-426-470/c
; Sequence 470, Application US/09679426
; Patent No. 6759515
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William

Qy	263	GGTGAGAAATAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322			56.7%;	Score 1154;	DB 4;	Length 2426;
Db	1769	GGTGAGAAATAGAAAGGCTGTGACTTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1710			Best Local Similarity	100.0%;	Pred. No. 0;	
Qy	323	AGATAATTAACATCACTAGAAAACAGCAGATGACAAATATATGTTCTAAGTAGTGACATGT	382			Matches 1154;	Conservative 0;	Mismatches 0;	Indels 0;
Db	1709	AGATAATTAACATCACTAGAAAACAGCAGATGACAAATATATGTTCTAAGTAGTGACATGT	1650						
Qy	383	TTTTGCACATTTCCAGCCCTTTAATATCCACACACACAGGAAGCAAAAGGAGCNC	442						
Db	1649	TTTTGCACATTTCCAGCCCTTTAATATCCACACACACAGGAAGCAAAAGGAGCNC	1590						
Qy	443	ACAGATCCCTGGGAGAAATCCCGCGCCGATCTTGGGTCATGAGCCTCGCCCTGT	502						
Db	1589	ACAGATCCCTGGGAGAAATCCCGCGCCGATCTTGGGTCATGAGCCTCGCCCTGT	1530						
Qy	503	GCCTGGTCCGCTTGTGAGGGAGGACATTAGAAAATGAATTTGATGTCTTAAAGGA	562						
Db	1529	GCCTGGTCCGCTTGTGAGGGAGGACATTAGAAAATGAATTTGATGTCTTAAAGGA	1470						
Qy	563	TGGGAGGAAACAGATCTCTGTTGGATATTTATTTGACGGGATACAGATTTGAAT	622						
Db	1469	TGGGAGGAAACAGATCTCTGTTGGATATTTATTTGACGGGATACAGATTTGAAT	1410						
Qy	623	GAAATCACAAGTGTGACATTTACCAATGAGAGAAACACAGCAGAAAATCTTTGATGGCTT	682						
Db	1409	GAAATCACAAGTGTGACATTTACCAATGAGAGAAACACAGCAGAAAATCTTTGATGGCTT	1350						
Qy	683	CACAGACATGCAACAAACAAAATGGAATATCTGTGATGACATGAGCAGCCAGCTGGGG	742						

RESULT 9
US-09-685-166A-470/c
; Sequence 470, Application US/09685166A
; Patent No. 6630305
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqi
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: DIAGNOSIS OF PROSTATE CANCER
; CURRENT APPLICATION NUMBER: US/09/685,166A
; NUMBER OF SEQ ID NOS: 898
; SOFTWARE: FastSeq for Windows version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-685-166A-470

Query Match 56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C20
; CURRENT APPLICATION NUMBER: US/09/679,426
; CURRENT FILING DATE: 2000-10-02
; NUMBER OF SEQ ID NOS: 895
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-679-426-470

Query Match      56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
Db 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 1710

QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 382
Db 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 1650

QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGCAC 442
Db 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGCAC 1590

QY 443 AGAGATCCCTGGAGAAATCCCGCGCCCATCTTGGGTCTCATGATGAGCCCTCGCCCTGT 502
Db 1589 AGAGATCCCTGGAGAAATCCCGCGCCCATCTTGGGTCTCATGATGAGCCCTCGCCCTGT 1530

QY 503 GCCTGTCCTGGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 562
Db 1529 GCCTGTCCTGGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 1470

QY 563 TGGGAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 622
Db 1469 TGGGAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 1410

QY 623 GAAGTCACAAATGAGCATTTACATGAGAGAAACACAGAGAAATCTTGATGGCTT 682
Db 1409 GAAGTCACAAATGAGCATTTACATGAGAGAAACACAGAGAAATCTTGATGGCTT 1350

QY 683 CACAAGACATGCAACAAACAAATGAATCTGTGATGATGATGATGATGATGATGATG 742
Db 1349 CACAAGACATGCAACAAACAAATGAATCTGTGATGATGATGATGATGATGATGATG 1290

QY 743 AGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 802
Db 1289 AGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 1230

QY 803 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTTTGTAATATCTGATCTC 862
Db 1229 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTTTGTAATATCTGATCTC 1170

QY 863 TACGGTTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTTAAATATT 922
Db 1169 TACGGTTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTTAAATATT 1110

QY 923 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATTAATCTATTTTTGTTC 982
Db 1109 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATTAATCTATTTTTGTTC 1050

QY 983 AAAGACCTTCTGTGTCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 1042
Db 1049 AAAGACCTTCTGTGTCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 990

QY 1043 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102
Db 989 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930

RESULT 11
US-09-759-143-470/c
; Sequence 470, Application US/09759143
; Patent No. 6800746
; GENERAL INFORMATION:
; APPLICANT: Xu, Jiangchun
; APPLICANT: Dillon, Davin C.
; APPLICANT: Mitcham, Jennifer L.
; APPLICANT: Harlocker, Susan L.
; APPLICANT: Jiang, Yuqui
; APPLICANT: Henderson, Robert A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Fanger, Gary R.
; APPLICANT: Retter, Marc W.
; APPLICANT: Stolk, John A.
; APPLICANT: Day, Craig H.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darlick
; APPLICANT: Li, Samuel
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Hepler, William
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
; FILE REFERENCE: 210121.427C23
; CURRENT APPLICATION NUMBER: US/09/759,143
; CURRENT FILING DATE: 2001-01-12
; NUMBER OF SEQ ID NOS: 934
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 470
; LENGTH: 2426
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-759-143-470

Query Match      56.7%; Score 1154; DB 4; Length 2426;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 263 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
Db 1769 GGTGAGAAATAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 1710

QY 323 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 382
Db 1709 AGATAATTAACATCACTAGAAAACAGCAAGATGACATATAATGTCTTAAGTAGTGACATGT 1650

QY 383 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGCAC 442
Db 1649 TTTTGCACATTTCCAGCCCTTTAAATATCCACACACACAGGAAGCACAAGGAAGCAC 1590

QY 443 AGAGATCCCTGGAGAAATCCCGCGCCCATCTTGGGTCTCATGATGAGCCCTCGCCCTGT 502
Db 1589 AGAGATCCCTGGAGAAATCCCGCGCCCATCTTGGGTCTCATGATGAGCCCTCGCCCTGT 1530

QY 503 GCCTGTCCTGGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 562
Db 1529 GCCTGTCCTGGCTGTGAGGGAAGACATTTAGAAAATGAATGTGTCTTAAAGGA 1470

QY 563 TGGGAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 622
Db 1469 TGGGAGGAAAAACAGATCTGTGTGGATATTTTAAACGGGATTCAGATTTGAAAT 1410

QY 623 GAAGTCACAAATGAGCATTTACATGAGAGAAACACAGAGAAATCTTGATGGCTT 682
Db 1409 GAAGTCACAAATGAGCATTTACATGAGAGAAACACAGAGAAATCTTGATGGCTT 1350

QY 683 CACAAGACATGCAACAAACAAATGAATCTGTGATGATGATGATGATGATGATGATG 742
Db 1349 CACAAGACATGCAACAAACAAATGAATCTGTGATGATGATGATGATGATGATGATG 1290

QY 743 AGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 802
Db 1289 AGAGATAACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTAAACTGTGGCTTC 1230

QY 803 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTTTGTAATATCTGATCTC 862
Db 1229 ATAAACCAATCATTTTCAATTTTCAACCTCAAAACAAAGCTTTGTAATATCTGATCTC 1170

QY 863 TACGGTTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTTAAATATT 922
Db 1169 TACGGTTCTCTGGGCCCAACATTTCTCCATATATCCAGCCACATCTATTTTTAAATATT 1110

QY 923 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATTAATCTATTTTTGTTC 982
Db 1109 AGTTCCAGATCTGATCTGTGACCTTTTACACTGTAGATAAATTAATCTATTTTTGTTC 1050

QY 983 AAAGACCTTCTGTGTCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 1042
Db 1049 AAAGACCTTCTGTGTCTGCTTAATATATGATGATGATGATGATGATGATGATGATG 990

QY 1043 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 1102
Db 989 GCCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATCTTA 930
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Qy	803	ATAACCAAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCTGATCTC	862
Db	1229	ATAACCAAAATCATTTTCATATTTCTAAACCCCTCAAAACAAAGCTGTGTGAATATCTGATCTC	1170
Qy	863	TACGGTTCCCTTCTGGGCCCAACATCTTCCATATATCCAGCCACACTCATTTTTTAATAATTT	922
Db	1169	TACGGTTCCCTTCTGGGCCCAACATCTTCCATATATCCAGCCACACTCATTTTTTAATAATTT	1110
Qy	923	AGTTCCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	982
Db	1109	AGTTCCCAGATCTGTACTGTGACCTTTCTACACTGTAGAATAACATTTACTCATTTTGTTC	1050
Qy	983	AAAGACCCCTTCGTGTCCTGCCTAAATATAGCTGATCTGTTTTTCCCTAAGAGGTGTTCTG	1042
Db	1049	AAAGACCCCTTCGTGTCCTGCCTAAATATAGCTGATCTGTTTTTCCCTAAGAGGTGTTCTG	990
Qy	1043	GCCCAGGGGATCTGTGAACCAAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	1102
Db	989	GCCCAGGGGATCTGTGAACCAAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTA	930
Qy	1103	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCTAGTGCT	1162
Db	929	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCTAGTGCT	870
Qy	1163	TTGGCCCATCTGAAATTCATTTCCCATCTTTTGCCCATCTCTCAAGACCTCAAAATGTCA	1222
Db	869	TTGGCCCATCTGAAATTCATTTCCCATCTTTTGCCCATCTCTCAAGACCTCAAAATGTCA	810
Qy	1223	TTCCATTAATATCA CAGGATTAAC TTTTTTTTTT AACCTGGAAGAA TTTCAATGTTACATG	1282
Db	809	TTCCATTAATATCA CAGGATTAAC TTTTTTTTTT AACCTGGAAGAA TTTCAATGTTACATG	750
Qy	1283	CAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGC AAGATGAC TTAAGTCCCTTTA	1342
Db	749	CAGCTATGGGAATTTAATTACATATTTTGTGTTTCCAGTGC AAGATGAC TTAAGTCCCTTTA	690
Qy	1343	TCCCTCCCTTTGTTTGAATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCTTGTACTG	1402
Db	689	TCCCTCCCTTTGTTTGAATTTTTTTTCCAGTATAAAGTTAAATGCTTTAGCTTGTACTG	630
Qy	1403	AGGCTGTATACAGC	1416
Db	629	AGGCTGTATACAGC	616

```

RESULT 13
US-09-439-313-468
Sequence 468, Application US/09439313
Patent No. 6329505
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan Louise
APPLICANT: Jiang Yuqi
APPLICANT: Reed, Steven G.
APPLICANT: Kalos, Michael
APPLICANT: Fanger, Gary
APPLICANT: Retter, Mark
APPLICANT: Solk, John
APPLICANT: Day, Craig
TITLE OF INVENTION: COMPOSITIONS AND
TITLE OF INVENTION: DIAGNOSIS OF PR
FILE REFERENCE: 210121.427C9
CURRENT APPLICATION NUMBER: US/09/43
CURRENT FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 575
SOFTWARE: Fast-SEQ for Windows Versio
SEQ ID NO 468
LENGTH: 3112
TYPE: DNA
ORGANISM: Homo sapiens

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US-09-439-313-468

	Query Match	56.7%	Score 1154;	DB 3;	Length 3112;
	Best Local Similarity	100.0%;	Pred. No. 0;		
	Matches 1154;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	263	GGTGAGAAATAAGAAAGCGCTGCTGACCTTTTACCATCTTGAGGCCACACATCTGCTGGAATGG	322		
DB	1313	GGTGAGAAATAAGAAAGCGCTGCTGACCTTTTACCATCTTGAGGCCACACATCTGCTGGAATGG	1372		
QY	323	AGATAATTAACATCACCATGAGAAACAGCAAGATGACAATATAATCTCTAAGTAGTGACATGT	382		
DB	1373	AGATAATTAACATCCTAGAAACAGCAAGATGACAATATAATCTCTAAGTAGTGACATGT	1432		
QY	383	TTTTGCACTTTCCAGCCCTTTTAAATATATCCACACACAGGAAGCACAAAAGGAAGCAC	442		
DB	1433	TTTTGCACTTTCCAGCCCTTTTAAATATATCCACACACAGGAAGCACAAAAGGAAGCAC	1492		
QY	443	AGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTGT	502		
DB	1493	AGAGATCCCTGGGAGAAATGCCGGCGCCCATCTTGGGTCAATGATGAGCCTCGCCCTGT	1552		
QY	503	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATTCATGTGTTCCTTTAAAGGA	562		
DB	1553	GCCTGGTCCCGCTTGTGAGGAAGGACATTTAGAAAAATGAATTCATGTGTTCCTTTAAAGGA	1612		
QY	563	TGGCAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTTGAAAT	622		
DB	1613	TGGCAGGAAAAACAGATCCCTGTTGTGGATATTTATTTGAAACGGGATTTACAGATTTGAAAT	1672		
QY	623	GAAGTCAAAAGTGAGCATTTACCATGTAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	682		
DB	1673	GAAGTCAAAAGTGAGCATTTACCAATGAGAGGAAAAACAGACGAGAAAAATCTTGATGGCTT	1732		
QY	683	CACAAGCATGCAACAAACAAAATGGAATACTGTGATGATCAGCAGCAGCCACAGCTGGGG	742		
DB	1733	CACAAGCATGCAACAAACAAAATGGAATACTGTGATGATCAGCAGCAGCCACAGCTGGGG	1792		
QY	743	AGGAGATAACACAGGGGACAGAGGTCCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTTC	802		
DB	1793	AGGAGATAACACAGGGGACAGAGGTCCAGGATTTCTGGCCCTGCTGCTTAACTGTGGTTTC	1852		
QY	803	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGATAATCTGATCTC	862		
DB	1853	ATAACCAAAATCATTTTCATATTTCTAACCCCTCAAAAACAAAGCTGTTGATAATCTGATCTC	1912		
QY	863	TACGGTTCCTTCGGGCCCAAGATTTCCATATATCCAGCCACACATCTTTTAAATTTT	922		
DB	1913	TACGGTTCCTTCGGGCCCAACATTTCCCATATATCCAGCCACACATCTTTTAAATTTT	1972		
QY	923	AGTTCCACAGATCTGACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCATTTTGTTC	982		
DB	1973	AGTTCCACAGATCTGACTGTGACCTTTCTACACTGTAGAAATAACATTTACTCATTTTGTTC	2032		
QY	983	AAAGACCTTTCGTTGCTGCCCTAAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTG	1042		
DB	2033	AAAGACCTTTCGTTGCTGCCCTAAATATGTAGCTGACTGTTTTTCTTAAGGAGTGTCTG	2092		
QY	1043	GCCACGGGATCTGTGNAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTA	1102		
DB	2093	GCCACGGGATCTGTGNAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTATACTTTA	2152		
QY	1103	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCCAGTGTCT	1162		
DB	2153	CTAGCACACAGCATGATCATTTACGGAGTGAATTTATCTAATCAACATCATCTCCAGTGTCT	2212		
QY	1163	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA	1222		
DB	2213	TTGCCCATCTGAAATTCATTTCCCACTTTTGTGCCCATTTCTCAAGACCTTCAAAATGTCA	2272		
QY	1223	TTCCATAATATACAGGATTAATCTTTTTTTTTTAACTCGGAGAAATTCOAATGTTACATG	1282		
DB	2273	TTCCATAATATACAGGATTAATCTTTTTTTTTTAACTCGGAGAAATTCOAATGTTACATG	2332		

QY 1283 CAGCTATCGGAATTTAAATTTACATATTTTGTCTTCCAGTGCAGAGATGACTAAGTCTCTTTA 1342
 Db |||||||
 2333 CAGCTATCGGAATTTAAATTTACATATTTTGTCTTCCAGTGCAGAGATGACTAAGTCTCTTTA 2392
 QY 1343 TCCCTCCCTTTTGTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGTACTG 1402
 Db |||||||
 2393 TCCCTCCCTTTTGTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGTACTG 2452
 QY 1403 AGGCTGTATACAGC 1416
 Db |||||||
 2453 AGGCTGTATACAGC 2466

RESULT 14
 US-09-352-616A-468
 ; Sequence 468, Application US/09352616A
 ; Patent No. 6395278
 ; GENERAL INFORMATION:
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Harlocker, Susan Louise
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Mitcham, Jennifer Lynn
 ; TITLE OF INVENTION: COMPOUNDS FOR IMMUNOTHERAPY AND DIAGNOSIS
 ; TITLE OF INVENTION: OF PROSTATE CANCER AND METHODS FOR THEIR USE
 ; FILE REFERENCE: 210121.427C8
 ; CURRENT APPLICATION NUMBER: US/09/352,616A
 ; CURRENT FILING DATE: 1999-07-13
 ; NUMBER OF SEQ ID NOS: 472
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 468
 ; LENGTH: 3112
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-352-616A-468

Query Match 56.7%; Score 1154; DB 3; Length 3112;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 263 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 322
 Db 1313 GGTGAGAAATAAGAAAGGCTGCTGACTTTTACCATCTGAGGCCACACATCTGCTGAATGG 1372
 QY 323 AGATAATTTAACTACTAGAAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGT 382
 Db 1373 AGATAATTTAACTACTAGAAAACAGCAAGATGACAATATAATGTCTAAGTAGTGACATGT 1432
 QY 383 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGCAAGAACACAAAAGGAAGCAC 442
 Db 1433 TTTTGCACATTTCCAGCCCTTTTAAATATCCACACACAGCAAGAACACAAAAGGAAGCAC 1492
 QY 443 AGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTATCGATGAGCCCTCGCCCTGT 502
 Db 1493 AGAGATCCCTGGGAGAAATGCCCGCCGCTCTTTGGGTATCGATGAGCCCTCGCCCTGT 1552
 QY 503 GCCTGGTCCCGTTGTGAGGAAGGACATAGAAAATGAATTTGATGTGTTCTTTAAAGGA 562
 Db 1553 GCCTGGTCCCGTTGTGAGGAAGGACATAGAAAATGAATTTGATGTGTTCTTTAAAGGA 1612
 QY 563 TGGGAGGAGAAAACAGATCTGTTGTGGATATTTTAAACGGGATACAGATTTTGAAT 622
 Db 1613 TGGGAGGAGAAAACAGATCTGTTGTGGATATTTTAAACGGGATACAGATTTTGAAT 1672
 QY 623 GAAGTCACAAAGTAGGACATTTACCAATGAGAGAAAACAGACAGAGAAAATCTTTGATGGCTT 682
 Db 1673 GAAGTCACAAAGTAGGACATTTACCAATGAGAGAAAACAGACAGAGAAAATCTTTGATGGCTT 1732
 QY 683 CACAAGACATGCAACAAACAAAATGGAATCTGTGATGATGAGGAGCCCAAGCTGGGG 742
 Db 1733 CACAAGACATGCAACAAACAAAATGGAATCTGTGATGATGAGGAGCCCAAGCTGGGG 1792

QY 743 AGGAGATAACCAAGGGGAGAGGGTCTGCTGCTTAACTGCTGCTTAACTGCTGCTT 802
 Db |||||||
 1793 AGGAGATAACCAAGGGGAGAGGGTCTGCTGCTTAACTGCTGCTTAACTGCTGCTT 1852
 QY 803 ATAACCAATCATTTTCTAATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 862
 Db 1853 ATAACCAATCATTTTCTAATTTCTAACCCCTCAAAACAAAGCTGTTGTAATATCTGATCTC 1912
 QY 863 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAATTTTAATATTT 922
 Db 1913 TACGGTTCTTCTGGGCCCAACATTTCTCATATATCCAGGCCACACTCAATTTTAATATTT 1972
 QY 923 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAATTAATCTCAATTTTGTTC 982
 Db 1973 AGTTCCAGATCTGACTGTGACCTTTCTACACTGTAGATAAATTAATTAATCTCAATTTTGTTC 2032
 QY 983 AAAGACCTTCTGTTGCTGCTTAATATGTAGTCACTGTTTCTTAAAGGAGTGTCTG 1042
 Db 2033 AAAGACCTTCTGTTGCTGCTTAATATGTAGTCACTGTTTCTTAAAGGAGTGTCTG 2092
 QY 1043 GCCCAGGGGATCTGTAACAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATACTTTA 1102
 Db 2093 GCCCAGGGGATCTGTAACAGGCTGGGAGCATCTCAAGATCTTCCAGGGTTATACTTTA 2152
 QY 1103 CTAGCACACAGCATGATCAATACGGAGTGAATTAATTAATCAACATCACTCAGTGTCT 1162
 Db 2153 CTAGCACACAGCATGATCAATACGGAGTGAATTAATTAATCAACATCACTCAGTGTCT 2212
 QY 1163 TTGCCCATACTGAAATTCATTTCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCA 1222
 Db 2213 TTGCCCATACTGAAATTCATTTCCACTTTTGTGCCCCATCTCAAGACCTCAAAATGTCA 2272
 QY 1223 TTCCATTAATATCAAGGATTAATTTTAACTTTTAACTGGAAGATTAATCAATGTTTACATG 1282
 Db 2273 TTCCATTAATATCAAGGATTAATTTTAACTTTTAACTGGAAGATTAATCAATGTTTACATG 2332
 QY 1283 CAGCTATGGAATTTAAATTAATATTTTCTTCCAGTGCAGAGATGACTAAGTCTCTTTA 1342
 Db 2333 CAGCTATGGAATTTAAATTAATATTTTCTTCCAGTGCAGAGATGACTAAGTCTCTTTA 2392
 QY 1343 TCCCTCCCTTTTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGTACTG 1402
 Db 2393 TCCCTCCCTTTTGTGATTTTTCAGTATATAAGTTAAATGCTTAGCCTTGTACTG 2452
 QY 1403 AGGCTGTATACAGC 1416
 Db 2453 AGGCTGTATACAGC 2466

RESULT 15
 US-09-636-215-468
 ; Sequence 468, Application US/09636215
 ; Patent No. 6620922
 ; GENERAL INFORMATION:
 ; APPLICANT: Xu, Jiangchun
 ; APPLICANT: Dillon, Davin C.
 ; APPLICANT: Mitcham, Jennifer L.
 ; APPLICANT: Harlocker, Susan L.
 ; APPLICANT: Jiang, Yuqui
 ; APPLICANT: Henderson, Robert A.
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Fanger, Gary R.
 ; APPLICANT: Retter, Marc W.
 ; APPLICANT: Stolk, John A.
 ; APPLICANT: Day, Craig H.
 ; APPLICANT: Vedwick, Thomas S.
 ; APPLICANT: Carter, Darrick
 ; APPLICANT: Li, Samuel
 ; APPLICANT: Wang, Aijun
 ; APPLICANT: Skeiky, Yasir A.W.
 ; APPLICANT: Hepier, William
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
 ; TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.42717C17
 CURRENT APPLICATION NUMBER: US/09/636,215
 CURRENT FILING DATE: 2000-08-10
 NUMBER OF SEQ ID NOS: 852
 SOFTWARE: FastSeq for Windows Version 3.0
 SEQ ID NO 468
 LENGTH: 3112
 TYPE: DNA
 ORGANISM: Homo sapiens
 US-09-636-215-468

Query Match 56.7%; Score 1154; DB 4; Length 3112;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1154; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	263	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	322
DB	1313	GGTGAGAAATAGAAAGGCTGCTGACTTTACCATCTGAGGCCACACATCTGCTGAAATGG	1372
QY	323	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT	382
DB	1373	AGATAATTAACATCACTAGAAACAGCAAGATGACATATAATGTCTAAGTAGTGACATGT	1432
QY	383	TTTGGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGAGAGAC	442
DB	1433	TTTGGCACATTTCCAGCCCTTTAAATATCCACACACAGGAGCACAAGAGAGAC	1492
QY	443	AGAGATCCCTGGGAGAAATGCCGGCGGCATCTTGGGTATCATGATGAGCCTGCCCTGT	502
DB	1493	AGAGATCCCTGGGAGAAATGCCGGCGGCATCTTGGGTATCATGATGAGCCTGCCCTGT	1552
QY	503	GCCTGCTCCGCTGTGTGAGGGAAGGACATTTAGAAAATGAATGTGTCTTAAAGGA	562
DB	1553	GCCTGCTCCGCTGTGTGAGGGAAGGACATTTAGAAAATGAATGTGTCTTAAAGGA	1612
QY	563	TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTTGAAAT	622
DB	1613	TGGGAGGAAACAGATCTCTGTGTGGATATTTATTTGAACGGGATACAGATTTGAAAT	1672
QY	623	GAAATGACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCTT	682
DB	1673	GAAATGACAAAGTGAGCATTTACCAATGAGAGGAAACACAGAGAAAATCTTTGATGGCTT	1732
QY	683	CACAGACATGCAACAAACAAATGGAATATGTGTATGACATGAGGACGCCAAGCTGGGG	742
DB	1733	CACAGACATGCAACAAACAAATGGAATATGTGTATGACATGAGGACGCCAAGCTGGGG	1792
QY	743	AGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTTAACTGTGGCTTC	802
DB	1793	AGGAGATACCAAGGGGAGAGGGTCAGGATTTCTGGCCCTGTGCTTAACTGTGGCTTC	1852
QY	803	ATAACCAAAATCATTTTCATATTTCTAACCTCAAAACAAAAGCTGTGTATATCTGATCTC	862
DB	1853	ATAACCAAAATCATTTTCATATTTCTAACCTCAAAACAAAAGCTGTGTATATCTGATCTC	1912
QY	863	TACGGTTCCTCTGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATATT	922
DB	1913	TACGGTTCCTCTGGGCCCAACATTTCCATATATCCAGCCACACTCAATTTTAAATATT	1972
QY	923	AGTTCCAGATCTGTACTGTGACCTTTCTACTGTAGAAATACATTAATCTCAATTTGTTTC	982
DB	1973	AGTTCCAGATCTGTACTGTGACCTTTCTACTGTAGAAATACATTAATCTCAATTTGTTTC	2032
QY	983	AAAGACCTTCTGTGTGCTGCTTAATATCTAGTACTGTCTTTTCTTAAGGAGTGTCTG	1042
DB	2033	AAAGACCTTCTGTGTGCTGCTTAATATCTAGTACTGTCTTTTCTTAAGGAGTGTCTG	2092
QY	1043	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	1102
DB	2093	GCCAGGGGATCTGTGAACAGGCTGGGAAGCATCTCAAGATCTTTCCAGGGTTTACTTTA	2152
QY	1103	CTAGCACACAGCATGATCAATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGCT	1162

Search completed: April 6, 2005, 13:43:46
 Job time : 330.979 secs.

Db	2153	CTAGCACACAGCATGATCAATTACGGAGTGAATTTATCTAATCAACATCATCTCAGTGCT	2212
QY	1163	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	1222
Db	2213	TTGCCCATACTGAAATTTCAATTTCCCACTTTTGTGCCCATTTCTCAAGACCTCAAAATGTCA	2272
QY	1223	TTCCATTAATATCACAGGATTAACCTTTTTTTTAACTGGAAGAATTTCAATGTTACATG	1282
Db	2273	TTCCATTAATATCACAGGATTAACCTTTTTTTTAACTGGAAGAATTTCAATGTTACATG	2332
QY	1283	CAGCTATGGAAATTTAATTTACATATTTTCTTCCAGTGCAGAGATGACTTAAGTCTCTTA	1342
Db	2333	CAGCTATGGAAATTTAATTTACATATTTTCTTCCAGTGCAGAGATGACTTAAGTCTCTTA	2392
QY	1343	TCCTCCCTTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCCTTGTACTG	1402
Db	2393	TCCTCCCTTTGTGTTGATTTTTCAGTATAAAGTTAAATGCTTAGCCCTTGTACTG	2452
QY	1403	AGGCTGTATACAGC	1416
Db	2453	AGGCTGTATACAGC	2466

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